

NOTICE

All drawings located at the end of the document.

QUARTERLY REPORT

FOR APRIL THROUGH JUNE 1995
INCLUDING DATA SUMMARY FOR
JANUARY THROUGH MARCH 1995

OPERABLE UNIT 1
IM/IRA TREATMENT FACILITY

PREPARED BY

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SECTION A - OPERATIONS SUMMARY FOR APRIL THROUGH JUNE 1995

1.0 OPERATIONS SUMMARY INTRODUCTION

The Operable Unit No. 1 (OU1) Water Treatment Facility located in Building 891 is used to treat groundwater collected from the 881 Hillside area (see Figure 1-1), most of the water collected at the Main Decontamination Facility, and rainwater collected from the Truck Dock and Tank Farm of Building 891. Water is collected from two separate sources in the 881 Hillside area. The first source is the groundwater intercepted by the French Drain, and the second source is the groundwater collected from the Collection Well (CW001). The Collection Well is located upgradient of the French Drain. Water from these sources is stored in one of two influent collection tanks prior to treatment. The water is then treated with an ultraviolet (UV) light/hydrogen peroxide system (for removal of volatile organic compounds) and a four-step ion exchange (IX) system (for removal of uranium, total dissolved solids, hardness, alkalinity, anions, and selected metals). After treatment, the water is stored in one of three effluent storage tanks until laboratory sample results verify that the water chemistry meets OU1 Applicable or Relevant and Appropriate Requirements (ARARs) and is acceptable for discharge into the South Interceptor Ditch (SID). Figure 1-2 presents the process flow diagram for the Building 891 Treatment Facility.

This report reflects the Building 891 Treatment Facility operations and data that are critical for determining optimal operating practices. Section A (Operations Summary) of the report deals specifically with day to day operations activities for the April through June 1995 period. Section B (Data Summary for January through March 1995) of the report includes specific data for the groundwater wells, influent sources, and treatment system performance. Validated results are used whenever possible to evaluate these data.

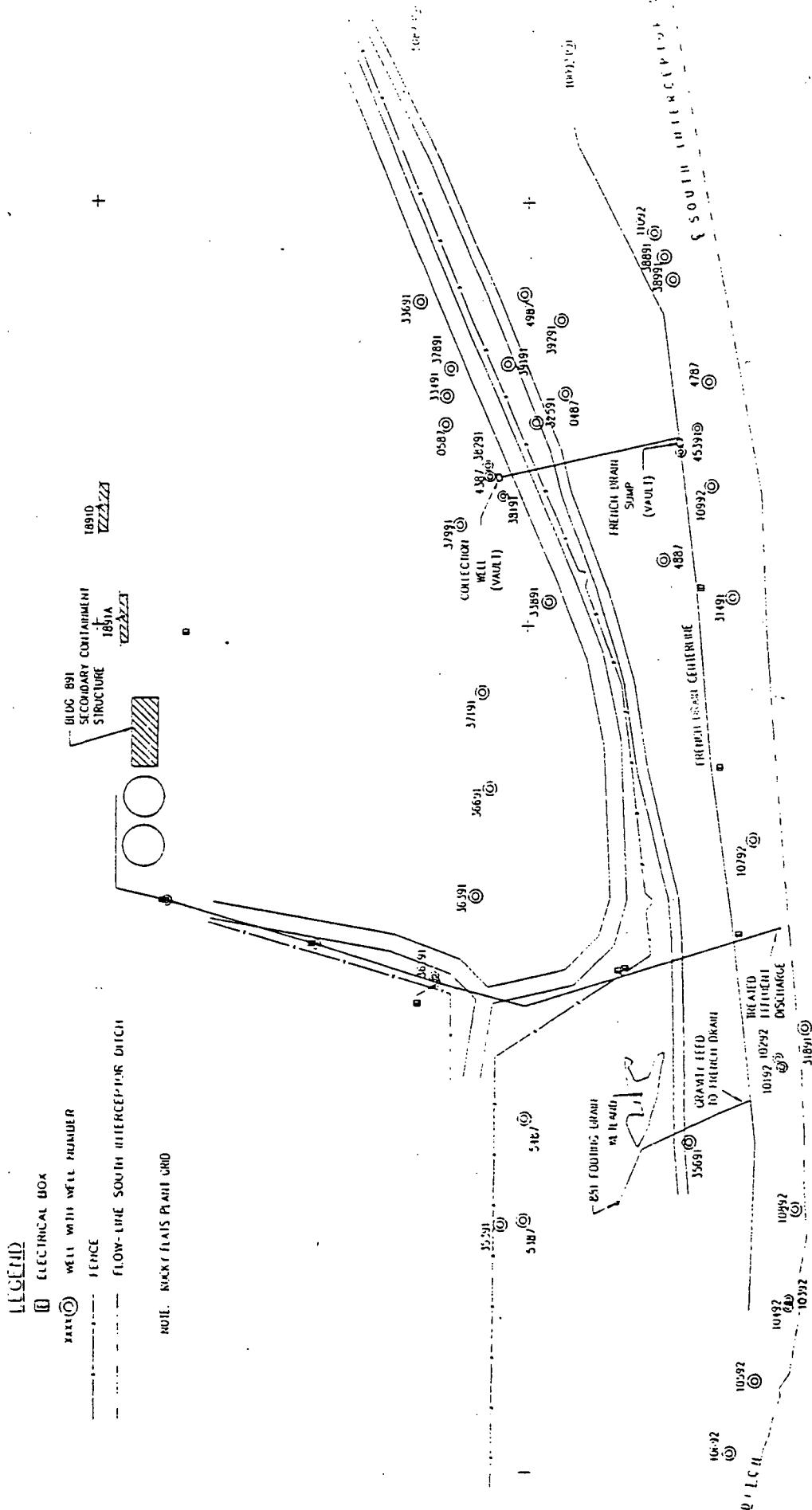
2.0 INFLUENT WATER CHARACTERISTICS

Influent water to the treatment facility comes from two different 881 Hillside sources (see Figure 1-1), waters collected at the Main Decontamination Facility, and rainwater collected at the Building 891 Truck Dock and Tank Farm. The first 881 Hillside source is the groundwater intercepted by the French Drain, and the second source is the groundwater collected from the Collection Well. Collection Well groundwater and French Drain Sump groundwater are collected and transferred to Building 891 separately for treatment. Sampling is performed at the Collection Well and the French Drain Sump locations for characterization of the influent waters. Sampling and/or process knowledge is used to determine if waters from the Main Decontamination Facility are acceptable for treatment at the Building 891 Treatment Facility.

2.1 INFLUENT FLOW RATES

The collection and treatment of Building 881 Footing Drain was discontinued in September 1994, and as a result the total quantity of water treated at the 891 Treatment Facility has been drastically reduced. Water treated at the treatment facility during the April through June 1995 period include waters from the following sources:

Figure 1-1 HILLSIDE AREA



- French Drain Sump
- Collection Well
- Main Decontamination Facility
- Rainwater collected from the Building 891 Truck Dock and Tank Farm
- Groundwater well purge water

The French Drain Sump is pumped directly to one of the Building 891 Treatment Facility influent storage tanks each operating day. The depth of water level in the French Drain Sump typically regenerates from about a 1-foot low (after pumping) to 4-6 feet (over a one day period). An average of 3,280 gallons per operating day was pumped from the French Drain Sump to the Building 891 Treatment Facility. Over the April through June 1995 quarter, a total of approximately 216,450 gallons of water was pumped from the French Drain Sump to Building 891.

Water from the Collection Well is pumped into a portable tank and is transported to Building 891 for treatment. An average of 50-100 gallons are pumped from the Collection Well each time. A total of approximately 5,600 gallons was pumped from the Collection Well and transported to Building 891 for treatment during the April through June 1995 collection period.

2.2 INFLUENT CONTAMINANTS

Review of the most recent data from the Collection Well indicates that the total concentration of volatile organic compounds (VOCs) in the Collection Well remain in the range of 500 to 1000 microgram per liter (ug/L). The primary volatiles present in the Collection Well during the January through March 1995 period were tetrachloroethene, trichloroethene, carbon tetrachloride, and 1,1 dichloroethene. Selenium and Total Dissolved Solids (TDS) were also detected well above the OU1 ARARs of 10 ug/L and 400 mg/L, respectively. One sample detected iron at 364 ug/L which is above the OU1 ARAR of 300 ug/L. However, this seems to be an anomalous result when compared to historical iron data which has been in the range of 30 to 160 ug/L. Gross alpha also exceeded the OU1 ARAR of 1.5 picocuries per liter (pCi/L). Refer to Section 10.0 for the detailed discussion of the Collection Well contaminants.

French Drain Sump data indicates no significant variations of VOCs since the discontinuation of the collection of water from the Building 881 Footing Drain. Trichloroethene was detected in March 1995 at 28 ug/L which is above the OU1 trichloroethene ARAR of 5 ug/L. Selenium was detected in the range of 13 to 46 ug/L which is above the OU1 ARAR for selenium of 10 ug/L. Also, Total Dissolved Solids (TDS) was detected in the range of 480 to 625 which is above the OU1 ARAR for TDS of 400 mg/L. Refer to Section 10.0 for the detailed discussion of the French Drain Sump contaminants.

The parameters detected in the influents to the treatment facility are primarily low level and are not expected to affect the performance of the treatment system.

3.0 TREATMENT FACILITY PERFORMANCE

The treatment system performance is measured by various criteria: Quantity of water treated, contamination destruction or removal efficiency, waste generation, operating costs, chemical usage, and system reliability. These criteria are evaluated individually below. In general, the system could not be operated at its optimal level due to the low volumes of water treated. This is due to the inherent cost of maintaining the facility regardless of whether water is treated or not (i.e., the cost is roughly the same to treat 100,000 or 500,000 gallons). However, the system did operate effectively when adequate water was available. Data on these criteria are utilized to modify or adjust the system as necessary for optimal performance.

3.1 QUANTITY OF WATER TREATED

Table 3-1 summarizes the quantities of water treated at the Building 891 Treatment Facility for the period April through June 1995.

Table 3-1
Breakdown of Source Water Quantities, Treated Effluent Quantities, And Discharge Quantities

Description	Approximate Quantity (gallons)
French Drain Sump	216,450
Collection Well	5,600
Main Decontamination Facility	26,400
Rainwater from Bldg 891 Truck Dock and Tank Farm	6,110
Total Treated during 2nd Quarter	254,560
Total Treated to Date	2,982,560
Total Discharged to SID during 2nd Quarter	110,000

As can be seen from Table 3-1, a total of approximately 254,560 gallons of water was treated at the treatment facility during the April through June 1995 quarter. This 254,560 gallons was comprised of approximately 216,450 gallons of water from the French Drain Sump, 5,600 gallons from the Collection Well, 26,400 gallons of water from the Main Decontamination Facility (decontamination water, rainwater pumped from decontamination facility secondary containment, and groundwater well purge water), and 6,110 gallons from the Building 891 Truck Dock and Tank Farm.

One effluent tank (approximately 110,000 gallons) of treated effluent was released to the SID in April 1995. Approximately 2,982,560 gallons of water have been processed through the system to date.

3.2 CHEMICAL USAGE

Hydrochloric acid is utilized in the ion exchange system for regeneration of resins in IX#2 (weak acid cation exchanger) and IX#3 (strong acid cation exchanger). The spent regenerant solution from IX#3 is circulated back to IX#2 in order that the maximum regenerant capacity is utilized from the acid. The resin in IX#4 (weak base anion exchanger) is regenerated with sodium hydroxide. IX#1 is a strong base anion exchange resin which is not regenerated.

A total of 386 gallons of hydrochloric acid and 245 gallons of sodium hydroxide were used for regeneration and neutralization activities during the April through June 1995 period. Approximately 11 gallons of hydrogen peroxide was used for the UV/hydrogen peroxide system.

3.3 WASTE GENERATION

Waste generated at the Building 891 Treatment Facility includes sock filters and neutralized regenerant water. One and one-half 55-gallon drums of sock filters has been generated in 39 months of operation. Five tanker truck loads (approximately 21,000 gallons) of neutralized regenerant water from Tank T-210 were sent to the 374 evaporator for processing this quarter. Figure 3-1 compares the quantity of water treated to the amount of secondary waste generated.

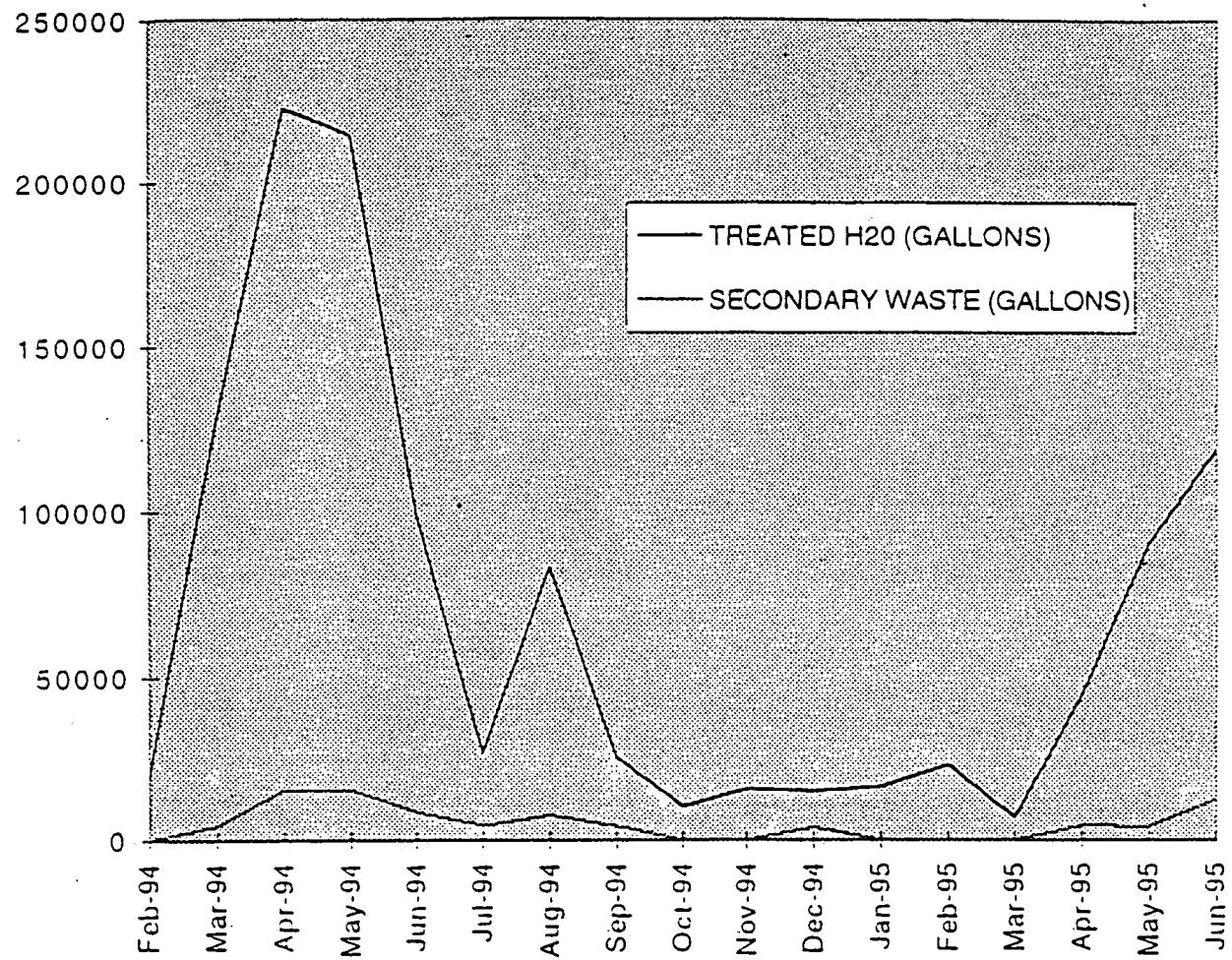
On June 14, 1995 the Building 891 Treatment Facility hydrochloric acid storage tank (T-209) was being pressure-filled with a 35 percent hydrochloric acid solution. Approximately 60 gallons of hydrochloric acid was released into the hydrochloric acid storage tank secondary containment located within the treatment facility. The Rocky Flats Fire Department Hazmat Team responded to the incident and the Emergency Operations Center was activated to support on-scene personnel. After determining that there was no immediate danger to public health or the environment the Hazmat Team neutralized the acid within the secondary containment with soda ash. A total of 4.55-gallon drums of waste was generated. No injuries were reported from the incident.

A Pollution Prevention Opportunity Assessment was recently performed at Building 891 by Waste Programs. Six options for waste reduction were assessed, and of these six options only one option, sending neutralized regenerant solution to the Sewage Treatment Plant, is being investigated further. Upon initial review, it appears that the nitrates/nitrites in the regenerant may be too high for acceptance at the Sewage Treatment Plant (STP). No direct cost savings would be experienced at the Building 891 Treatment Facility. However, because the secondary waste from the STP is classified as a low level waste in contrast to the secondary waste from the 374 Evaporator which is classified as mixed waste, indirect savings may be experienced through reduced handling and disposal costs of the secondary wastes.

3.4 OPERATING COSTS

Subcontracted operating costs for this quarter totaled approximately \$78,900. These costs include chemical purchases, spare parts, labor, and document preparation which are performed under the current operations and maintenance subcontract. Operating costs remain relatively constant regardless of the quantity of water treated.

Figure 3-1
Treated Water versus Secondary Waste



3.5 MAINTENANCE

The following maintenance was performed during the April through June 1995 operating period:

- * Troubleshoot the French Drain Sump level sensor and panel readout
- * Replaced bolts on the T-205, T-206, T-207 (effluent tanks) secondary containment manways
- * Performed daily tank and pipe inspections
- * Installed valve and check valve for sump pump installation at the tank farm
- * Deenergized freeze protection
- * Replaced the relief valve on the outlet of pump P-2.
- * Replaced permissive switch on the inlet of tank T-206
- * Performed extensive testing on pump P-102
- * Replaced the check valve on the caustic injection water line
- * Reconfigured the lamp arrangement within the UV/hydrogen peroxide system chambers in an effort to increase the system's destruction capabilities

4.0 ENVIRONMENTAL COMPLIANCE/EFFLUENT TANK SAMPLING

Each effluent tank is sampled and analyzed prior to discharge. During the past quarter one effluent tank (approximately 110,000 gallons) was discharged to the SID. It is expected that one treated effluent tank will be ready for discharge during the next quarter.

5.0 REPORTS AND CORRESPONDENCE

The Final Quarterly Report for January through March 1995 was submitted to DOE on June 5, 1995.

6.0 ANTICIPATED OPERATIONS FOR NEXT QUARTER

Collection and treatment of water from the French Drain Sump will continue as normal. Water from the Collection Well will continue to be collected in the portable tank and transported to Building 891 for off-loading and treatment. Purge, incidental, and decontamination pad waters will continue to be accepted and treated.

Work is continuing on the effort to create a Sitewide Treatment Facility by adding various treatment technologies (e.g., sedimentation/filtration, granular activated carbon treatment, and chemical precipitation/microfiltration treatment) to the Building 891 Treatment Facility.

7.0 OPERATIONS SUMMARY/CONCLUSIONS

Approximately 2,982,560 gallons of waters have been treated to date at the Building 891 Treatment Facility. Due to the wet spring weather approximately 254,560 gallons of water were treated during the past quarter. In April 1995 one treated effluent storage tank (approximately 110,000 gallons) was discharged to the SID.

Figure 3-1 (page 10 of 78) illustrates that the Building 891 Treatment Facility is not currently operating at its optimum capacity. It is expected that the combination of the Building 891 Treatment Facility with other technologies will assist in making treatment services available to other Environmental Restoration areas on plant site, and will make it more efficient and cost effective to provide these services.

SECTION B - DATA SUMMARY FOR JANUARY THROUGH MARCH 1995

8.0 DATA SUMMARY INTRODUCTION

This section of the report reflects the Building 891 Treatment Facility operations parameters and associated OU1 data. Documentation included covers the time period from January through March 1995. Data collected are used to determine optimal operating practices at the treatment facility. Validated data has been used whenever possible for evaluations.

9.0 GROUNDWATER ANALYSIS

The French Drain Performance Monitoring Plan (FDPMP) requires monitoring of French Drain performance. The FDPMP requires groundwater level measurements of designated French Drain monitoring wells 10092, 10192, 10292, 10392, 10492, 10592, 10692, 10792, 10892, 10992, 11092, 39991, 45391, 4887, 35691, 31491, and 4787¹. Additionally, quarterly water quality sampling of the wells is required. Not all locations are sampled for all parameters due to the small quantities of water generated at many of these locations.

Table 9-1 presents a synopsis of the selected ground water monitoring wells data. The table presents the following data:

- 1) all VOC data which have associated OU1 ARARs
- 2) radionuclides which exceeded OU1 ARARs
- 3) metals data which exceeded OU1 ARARs
- 4) water quality data which exceeded OU1 ARARs.

As can be seen in Table 9-1, sulfate was detected in the ground water monitoring wells in the range of 309 to 510 mg/L, total dissolved solids from 1083 to 1610 mg/L, and gross alpha from 13 to 24 pCi/L (Well #'s 10492, 10692, and 35691). These are the only parameters that exceeded their respective OU1 ARARs of 250 mg/L, 400 mg/L, and 15 pCi/L. These are primarily in wells near the western termination of the French Drain and are typical of results from past sampling. Low level volatile detections (tetrachloroethene = .7 ug/L in Well #10792, Well #11092; toluene = 1.4 ug/L in Well #10792; trichloroethene in Well #10592) were found in a few locations but were well below the ARARs established for OU1. The January through March 1995 analytical data for the ground water monitoring wells is located in Appendix A.

9.1 GROUNDWATER ELEVATIONS

Figure 9-1 is a water level map that was constructed from April through June 1995 water level data. Water level grids were constructed from these data using a 50-foot grid spacing. The existing bedrock grid for OU1 was then subtracted from the respective water level grid to obtain a saturated thickness grid. Areas within these saturated thickness grids that were

¹Several wells were reported as dry (#'s 4787, 10092, 10192, 10292, 10393, and 31492). One well, #45391, was reported as damaged.

TABLE 9-1
COMPARISON OF GROUND WATER WELL DATA TO SELECTED ARARS a/
JANUARY THROUGH MARCH 1995

COMPOUND	ARAR	UNITS	GROUND WATER WELLS					
			WELL 10492 16-Feb-95	WELL 10592 17-Feb-95	WELL 10692 17-Feb-95	WELL 10792 17-Feb-95	WELL 11092 17-Feb-95	WELL 35691 24-Mar-95
1,1,1 Trichloroethane	200	ug/L	0.5 U b/	0.5 U				
1,1,2 Trichloroethane	5	ug/L	0.5 U					
1,1 Dichloroethane	5	ug/L	0.5 U					
1,1 Dichloroelthene	7	ug/L	0.5 U					
1,2 Dichloroethane	5	ug/L	0.5 U					
Acetone	50	ug/L	0.5 U					
Carbon Disulfide	5	ug/L	0.5 U					
Carbon Tetrachloride	5	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	1.75	0.5 U
Methylene Chloride	5	ug/L	0.5 U					
Tetrachloroethene	5	ug/L	0.5 U	0.5 U	0.5 U	0.65	0.5 U	0.5 U
Toluene	2000	ug/L	0.5 U	0.5 U	0.5 U	1.4	0.5 U	0.5 U
Trichloroethene	5	ug/L	0.5 U	1.9	0.5 U	0.5 U	0.5 U	0.5 U
Gross Alpha	15	pCi/L	16.90 +/- 7.95 C	--	13.75 +/- 8.94 C	--	--	24.00 +/- 11.24 C
Iron	300	ug/L	--	--	6 U	--	--	1.8 U
Selenium	10	ug/L	--	--	11.8	--	--	11.2
Sulfate	250	mg/L	309.256	--	320.811	--	--	510
Total Dissolved Solids	400	mg/L	1083	--	1270	--	--	1610

a/ Refer to Appendix A for a detailed listing of the January through March 1995 Groundwater Well Data.

b/ Refer to Appendix D for an explanation of the data qualifiers.

negative were considered to be unsaturated. In these areas the calculated water level grid extended below the bedrock surface. The saturated thickness grids were then edited to match known areas within OU1 that contain dry wells. These edited saturated thickness grids were then added to the bedrock grid to obtain a new water level grid for each quarter. This water level grid is the basis for the presented map. Examination of the current map compared to those of previous quarters indicates that large areas of the 881 Hillside continue to appear unsaturated.

10.0 INFLUENT CHARACTERIZATION

Influent water for the Building 891 Treatment Facility comes from two different 881 Hillside sources. These sources include the ground water intercepted by the French Drain, and ground water pumped from the Collection Well. Collection of the 881 Footing Drain water, which historically was routed to the French Drain, was discontinued in September 1994. Collection Well water is now collected separately from the French Drain water, and therefore the French Drain Sump data is representative of only those waters that seep from the groundwater table into the French Drain. Monthly sampling is performed at the French Drain Sump and the Collection Well for characterization of the influent waters.

Table 10-1 presents a synopsis of the selected French Drain Sump and Collection Well data. The table presents the following data:

- 1) all VOC data which have associated OU1 ARARs
- 2) radionuclides which exceeded OU1 ARARs
- 3) metals data which exceeded OU1 ARARs
- 4) water quality data which exceeded OU1 ARARs.

Appendix B presents the January through March 1995 analytical data for French Drain Sump and the Collection Well.

As can be seen in Table 10-12, samples taken from the French Drain Sump continue to contain a variety of VOCs. Volatiles detected in this set of data which have associated OU1 ARARs include the following:

<u>Compound</u>	<u>Range</u>	<u>ARAR</u>
Trichloroethene	28 ug/L	5

Bis(2-ethylhexyl) phthalate, which has no associated OU1 ARAR, was also detected at estimated values of 0.6 to 2 ug/L. Other compounds, such as Di-n-butyl phthalate and various Tentatively Identified Compounds (TICs), were identified during the French Drain Sump sampling however this data is non-validated (refer to Appendix B for a full listing of the French Drain Sump data).

²As of January 1995, detection limits for VOCs analyzed by gas chromatography/mass spectrometry (GC/MS) are reported at 10 ug/L. The RFETS General and Routine Radiological /Analytical Services Protocol (GRRASP) requires data to be reported as estimated if compounds are detected at or above 1 ug/L but below 10 ug/L.

TABLE 10-1
COMPARISON OF INFLUENTS TO SELECTED ARARS a/
JANUARY THROUGH MARCH 1995

COMPOUND	ARAR	UNITS	FRENCH DRAIN			COLLECTION WELL		
			9-Jan-95	6-Feb-95	15-Mar-95	9-Jan-95	6-Feb-95	15-Mar-95
1,1,1 Trichloroethane	200	ug/L	10 U b/	10 U	10 U	5 J	7 J	10 U
1,1,2 Trichlorethane	5	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,1 Dichloroethane	5	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,1 Dichloroethylene	7	ug/L	10 U	10 U	10 U	17	18	17
1,2 Dichloroethane	5	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	50	ug/L	10 U	10 U	10 U	10 U	10 U	17
Carbon Disulfide	5	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	5	ug/L	10 U	10 U	10 U	9 J	15	15
Methylene Chloride	5	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethylene	5	ug/L	10 U	10 U	10 U	76	83	67
Toluene	2000	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethylene	5	ug/L	10 U	10 U	28	690 D	750 D	490 D
Gross Alpha	15	pCi/L	6.5 +/- 2	8.65 +/- 5.24 C	6.88 +/- 3.34 C	12 +/- 3.6	12.05 +/- 8.51 C	16.59 +/- 8.56 C
Iron	300	ug/L	41.1 B	35.5 U	6 U	364	35.52 B	32.7 U
Selenium	10	ug/L	26.9	13	45.6	592	658.68	666
Sulfate	250	mg/L	106	71.61	84.187	243	240.496	242.868
Total Dissolved Solids	400	mg/L	623	581	479	1080	1093	1085

a/ Refer to Appendix B for a detailed listing of the January through March 1995 French Drain and Collection Well data.

Note from the data in Appendix B that other compounds (compounds without associated ARARs) were detected in both the French Drain Sump and the Collection Well.

b/ Refer to Appendix D for an explanation of the data qualifiers.

Selenium is currently present in the French Drain Sump in the range of 13 to 46 ug/L which is above the OU1 selenium ARAR of 10 ug/L. Total Dissolved Solids remain above the OU1 ARAR of 400 mg/L at both the French Drain and the Collection Well.

Table 10-1 also presents a synopsis of Collection Well data for the January through March 1995 period. As can be seen in Table 10-1, samples taken from the Collection Well continue to contain elevated levels of VOCs. Volatiles detected in this set of data include the following:

<u>Compound</u>	<u>Range</u>	<u>ARAR</u>
1,1,1 Trichloroethane	5 - 7 ug/L (estimated)	200
1,1 Dichloroethene	17 - 18 ug/L	7
Acetone	17 ug/L	50
Carbon Tetrachloride	9 - 15 ug/L	5
Tetrachloroethene	67 - 83 ug/L	5
Trichloroethene	490 - 750 ug/L	5

Other compounds, such as phthalates and various Tentatively Identified Compounds (TICs), were identified during the sampling however this data is non-validated (refer to Appendix B).

Uranium activity levels found at the Collection Well are higher than those in the French Drain Sump. Activity levels for uranium in the Collection Well range from approximately 12 to 17 pCi/L while the French Drain Sump gross alpha data ranges from approximately 5 to 10 pCi/L. The Collection Well gross alpha exceeded the ARAR of 15 pCi/L on one occasion with a gross alpha detection of 16.59 ± 8.56 pCi/L. Selenium was detected in the Collection Well at approximately 590 to 670 ug/L. Sulfate was detected in the range at approximately 240 mg/L which is less than the 250. mg/L sulfate ARAR. Iron was also detected at 364 ug/L which is above the ARAR of 300 ug/L, however this data point appears to be anomalous.

11.0 CONTAMINATION DESTRUCTION/REMOVAL: UV/HYDROGEN PEROXIDE SYSTEM AND ION EXCHANGE

The primary purpose of sampling inside the Building 891 Treatment Facility is to determine the efficiency of the system in the removal of target contaminants (VOCs, uranium, metals, anions). No significant variations in radiochemistry, water quality, or metals were found in any influent waters sampled. Because process samples are taken only as a means of tracking treatment plant performance, process sampling costs are held to a minimum by sampling only for those compounds treated by a particular unit process. For instance, because the purpose of the UV/hydrogen peroxide system is the destruction of VOCs, the effluent of this system is sampled only for VOCs.

Tables 11-1 and 11-2 present a synopsis of the percent removals for various compounds as water progresses for treatment from the UV/hydrogen peroxide system through the four ion exchange columns. As in previous tables, Tables 11-1 and 11-2 present the following data:

- 1) all VOC data which have associated OU1 ARARs
- 2) radionuclides which exceeded OU1 ARARs
- 3) metals data which exceeded OU1 ARARs
- 4) water quality data which exceeded OU1 ARARs.

TABLE 11-1
PERCENT REMOVALS FOR SELECTED COMPOUNDS a/
BUILDING 891 UV/PEROXIDE SYSTEM
JANUARY THROUGH MARCH 1995

COMPOUND	ARAR	UNITS	UV/PEROXIDE SYSTEM (organic destruction)								
			17-Jan-95			14-Feb-95			8-Mar-95		
			Infl.	Effl.	% Removal	Infl. b/	Effl.	% Removal	Infl.	Effl.	% Removal
1,1,1 Trichloroethane	200	ug/L	10 U c/	10 U	-- d/	--	10 U	--	10 U	10 U	--
1,1,2 Trichloroethane	5	ug/L	10 U	10 U	--	--	10 U	--	10 U	10 U	--
1,1 Dichloroethane	5	ug/L	10 U	10 U	--	--	10 U	--	10 U	10 U	--
1,1 Dichloroethene	7	ug/L	10 U	10 U	--	--	10 U	--	10 U	10 U	--
1,2 Dichloroethane	5	ug/L	10 U	10 U	--	--	10 U	--	10 U	10 U	--
Acetone	50	ug/L	10 U	19	-- e/	--	20 U	--	28 U	110 B	--
Carbon Disulfide	5	ug/L	10 U	10 U	--	--	10 U	--	10 U	10 U	--
Carbon Tetrachloride	5	ug/L	10 U	10 U	--	--	10 U	--	10 U	10 U	--
Methylene Chloride	5	ug/L	10 U	10 U	--	--	10 U	--	10 U	10 U	--
Tetrachloroethene	5	ug/L	7 J	10 U	--	--	10 U	--	10 U	10 U	--
Toluene	2000	ug/L	10 U	10 U	--	--	10 U	--	10 U	10 U	--
Trichloroethene	5	ug/L	65	10 U	>= 85%	--	10 U	--	20	10 U	>= 50%
Gross Alpha	15	pCi/L	5.9 +/- 1.9	--	--	7.5 +/- 4.9 C	--	--	7.1 +/- 3.4 C	--	--
Total Uranium	40	pCi/L	--	--	--	--	--	--	--	--	--
Calcium	none	ug/L	93600	--	--	92600	--	--	80000 E	--	--
Iron	300	ug/L	63 U	--	--	10 B	--	--	41.2 U	--	--
Magnesium	none	ug/L	26100	--	--	26200	--	--	20600	--	--
Selenium	10	ug/L	111 S	--	--	34.6	--	--	48	--	--
Sodium	none	ug/L	87800	--	--	79500	--	--	80400	--	--
Sulfate	250	mg/L	114	--	--	91	--	--	73	--	--
Total Dissolved Solids	400	mg/L	643	--	--	583	--	--	499	--	--

a/ Refer to Appendix C for a detailed listing of the January through March 1995 process data.

b/ The influent VOA sample vial was received at the lab frozen and broken due to very cold weather.

c/ Refer to Appendix D for an explanation of the data qualifiers.

d/ "--" = not able to calculate % removal from available data or data not available

e/ The % removal can not be calculated - acetone was not detected in the influent sample.

a/ ... = No data available or not able to calculate % removal from available data.

A Compaction of treatment plant influent to treatment plant effluent indicates that IX2 is adequately reducing the levels of calcium and magnesium.

C Process data is not collected for IX2 and therefore % removals for this column are not presented on this table.

b/ Note that this table does not present data qualifiers.

c/ Refer to Appendix C for a detailed listing of the January through March 1995 process data.

COMPOUND	ARR	Units	ION EXCHANGE SYSTEM											
			17-Jan-95	14-Feb-95	8-Mar-95	17-Jan-95	14-Feb-95	8-Mar-95	17-Jan-95	14-Feb-95	8-Mar-95	17-Jan-95	14-Feb-95	8-Mar-95
(radioactive removal)														
			IX 1			IX 3			IX 4					
1,1,2 Trichloroethane	5	ug/l	--	--	--	--	--	--	--	--	--	--	--	--
1,1,1 Trichloroethane	5	ug/l	--	--	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	5	ug/l	--	--	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	7	ug/l	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	5	ug/l	--	--	--	--	--	--	--	--	--	--	--	--
Carbon Dioxide	5	ug/l	--	--	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	5	ug/l	--	--	--	--	--	--	--	--	--	--	--	--
Tetrachloroethylene	5	ug/l	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	2000	ug/l	--	--	--	--	--	--	--	--	--	--	--	--
Trichloroethylene	5	ug/l	--	--	--	--	--	--	--	--	--	--	--	--
Gross Alpha	15	PCuL	--	--	--	--	--	--	--	--	--	--	--	--
Total Uranium	40	PCuL	10.76	0.25	98%	10.45	0.44	96%	8.46	0.97	89%	--	--	--
Calcium	300	ug/l	--	--	--	--	--	--	--	--	--	--	--	--
Magnesium	300	ug/l	--	--	--	--	--	--	--	--	--	--	--	--
Sodium	250	none	--	--	--	--	--	--	--	--	--	--	--	--
Total Dissolved Solids	400	mg/l	--	--	--	--	--	--	--	--	--	--	--	--
			100%	82.5	0.03	100%	94.5	0.05	100%	75.0	0.03	100%	75.0	0.03
			49.4%	49.4%	49.4%	49.4%	49.4%	49.4%	49.4%	49.4%	49.4%	49.4%	49.4%	49.4%

JANUARY THROUGH MARCH 1995

PERCENT REMOVALS FOR SELECTED COMPOUNDS a/b/c

TABLE 11-2

The following sections describe the collected process data in more detail and Appendix C contains the process data collected during the January through March 1995 quarter.

11.1 UV/HYDROGEN PEROXIDE SYSTEM

As can be seen from Table 11-1, UV influent data indicates that low levels of tetrachloroethene and trichloroethene were found in the influent during the January through March 1995 quarter.

Table 11-1 also shows that acetone continues to be detected in UV effluent water although it is not detected in the influent to the system. Confidence in the acetone results is not very high, and at this point acetone is still considered to be a lab contaminant. No detections were found in the effluent other than acetone.

11.2 IX#1 PERFORMANCE

IX#1 contains a strong base anion exchange resin which serves to remove uranium from the groundwater. Influent water contains uranium in the form of a carbonate complex (negatively charged). This ion loads on the strong base resin located in the first ion exchange column, thus removing uranium from the water. Unlike the other resins in the system, this resin is not regenerated.

Influent and effluent results for IX#1 are shown in Table 11-2. These results are consistent with previous samples taken at this location. Influent uranium activity levels continue to remain on the order of 10 pCi/L. A 96% reduction in the uranium activity level is routinely achieved. The variations in the removal efficiencies are due to the various stages of loading on the resins when the samples were taken.

1.3 IX#2 PERFORMANCE

The IX#2 resin is a weak acid cation exchange resin. The primary function of the resin is to remove calcium and magnesium alkalinity. Bicarbonate and carbonate are also removed because the exchange media is utilized in the hydrogen form. Since these parameters are not of special interest (no ARARs), samples are not taken to determine the efficiency of this column.

11.4 IX#3 PERFORMANCE

The IX#3 resin is a strong acid cation exchanger. The primary function of this column is to remove metals from the water. Sample results obtained from the IX#3 influent and effluent provide valuable information about the performance of this resin.

Table 11-2 shows that the percent removals for calcium, magnesium, and sodium, when averaged over the January through March 1995 period, are approximately 100%, 100%, and 95%, respectively. Although the average percent removal for iron from IX3 is only 30%, the iron concentration in the effluent is well below the 300 ug/L iron ARAR. The percent removal of metals in IX#3 is consistent with the percent removals seen in previous periods.

11.5 IX#4 PERFORMANCE

The IX#4 resin is a weak base anion exchange resin. The primary function of this resin is to remove anions (such as chloride, sulfate, nitrate/nitrite etc.) from the water.

Table 11-2 shows that sulfate removal is 100%, and that although TDS removal is not particularly high in IX#4, TDS reduction in previous columns was adequate to achieve ARAR for the treated effluent. Therefore, the somewhat reduced removal efficiencies does not currently present a concern. The TDS removal will continue to be monitored.

12.0 SUMMARY

The current facility operations meet the needs of the water being treated. The discontinuation of the collection footing drain water has not significantly affected the quality of water in the influent sources. The current configuration of the treatment system remains adequate for the treatment of the current waters.

There was an increase in the quantity of water treated in the April through June 1995 quarter because of the very wet spring weather. It is expected that the volume of water requiring treatment will decrease during the summer months. It is also expected that one treated effluent tank will be discharged to the SID in the next quarter to ensure that sufficient treated effluent storage capacity is maintained at the Building 891 Treatment Facility.

During the April through June 1995 quarter EG&G Environmental Operations Management continued to work on the consolidation of treatment facilities at the current Building 891 location. This treatment consolidation should enable the treatment of waters from various areas on plant site at a Sitewide Treatment Facility. A reduction of over \$1 million dollars in operating costs will be achieved by consolidating the treatment facilities.

The facility will include the capability for sedimentation/filtration, granular activated carbon treatment, and chemical precipitation/microfiltration treatment. Once the additions are completed, selective treatment can be utilized on a variety of waters. The selective treatment will allow for waste minimization, and is needed in order to meet future increasingly stringent discharge standards.

Appendix A
Groundwater Well Data
January through March 1995

Well 10492 VOA January 1995 - March 1995 (well sampled quarterly)

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
GW02151GA	16-Feb-95	1,1,1,2-TETRACHLOROETHANE	0.5	UG/L	U	V		
		1,1,1-TRICHLOROETHANE	0.5	UG/L	U	V	200	0
		1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	V		
		1,1,2-TRICHLOROETHANE	0.5	UG/L	U	V	5	0
		1,1-DICHLOROETHANE	0.5	UG/L	U	V	5	0
		1,1-DICHLOROETHENE	0.5	UG/L	U	V	7	0
		1,1-DICHLOROPROPENE	0.5	UG/L	U	V		
		1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	V		
		1,2,3-TRICHLOROPROPANE	0.5	UG/L	U	R		
		1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	V		
		1,2-DIBROMOETHANE	0.5	UG/L	U	V		
		1,2-DICHLOROBENZENE	0.5	UG/L	U	V		
		1,2-DICHLOROETHANE	0.5	UG/L	U	V	5	0
		1,2-DICHLOROPROPANE	0.5	UG/L	U	V		
		1,3-DICHLOROBENZENE	0.5	UG/L	U	V		
		1,3-DICHLOROPROPANE	0.5	UG/L	U	V		
		1,4-DICHLOROBENZENE	0.5	UG/L	U	V		
		2,2-DICHLOROPROPANE	0.5	UG/L	U	V		
		4-ISOPROPYLTOLEUNE	0.5	UG/L	U	V		
		BENZENE	0.5	UG/L	U	V		
		BENZENE, 1,2,4-TRIMETHYL	0.5	UG/L	U	V		
		BENZENE, 1,3,5-TRIMETHYL-	0.5	UG/L	U	V		
		BROMOBENZENE	0.5	UG/L	U	V		
		BROMOCHLOROMETHANE	0.5	UG/L	U	V		
		BROMODICHLOROMETHANE	0.5	UG/L	U	V		
		BROMOFORM	0.5	UG/L	U	V		
		BROMOMETHANE	0.5	UG/L	U	V		
		CARBON TETRACHLORIDE	0.5	UG/L	U	V	5	0
		CHLOROBENZENE	0.5	UG/L	U	V		
		CHLOROETHANE	0.5	UG/L	U	V		
		CHLOROFORM	0.5	UG/L	U	V		
		CHLOROMETHANE	0.5	UG/L	U	V		
		DIBROMOCHLOROMETHANE	0.5	UG/L	U	V		
		DIBROMOMETHANE	0.5	UG/L	U	V		
		DICHLORODIFLUOROMETHANE	0.5	UG/L	U	V		
		ETHYLBENZENE	0.5	UG/L	U	V		
		HEXACHLOROBUTADIENE	0.5	UG/L	U	V		
		ISOPROPYLBENZENE	0.5	UG/L	U	V		
		METHYLENE CHLORIDE	0.5	UG/L	U	V	5	0
		NAPHTHALENE	0.5	UG/L	U	V		
		PROPANE, 1,2-DIBROMO-3-CHL	0.5	UG/L	U	R		
		STYRENE	0.5	UG/L	U	V		
		TETRACHLOROETHENE	0.5	UG/L	U	V	5	0
		TOLUENE	0.5	UG/L	U	V	2000	0
		TOTAL XYLEMES	0.5	UG/L	U	V		
		TRICHLOROETHENE	0.5	UG/L	U	V	5	0
		TRICHLOROFLUOROMETHANE	0.5	UG/L	U	V		
		VINYL CHLORIDE	0.5	UG/L	U	V		
		cis-1,2-DICHLOROETHENE	0.5	UG/L	U	V		
		cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	V		
		n-BUTYLBENZENE	0.5	UG/L	U	V		
		n-PROPYLBENZENE	0.5	UG/L	U	V		
		o-CHLOROTOLUENE	0.5	UG/L	U	V		
		p-CHLOROTOLUENE	0.5	UG/L	U	V		
		sec-BUTYLBENZENE	0.5	UG/L	U	V		
		tert-BUTYLBENZENE	0.5	UG/L	U	V		
		trans-1,2-DICHLOROETHENE	0.5	UG/L	U	V		
		trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	V		

Well 10592 VOA January 1995 - March 1995 (well sampled quarterly)

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
GW02152GA	16-Feb-95	1,1,1,2-TETRACHLOROETHANE	0.5	UG/L	U	V		
		1,1,1-TRICHLOROETHANE	0.5	UG/L	U	V	200	0
		1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	V		
		1,1,2-TRICHLOROETHANE	0.5	UG/L	U	V	5	0
		1,1-DICHLOROETHANE	0.5	UG/L	U	V	5	0
		1,1-DICHLOROETHENE	0.5	UG/L	U	V	7	0
		1,1-DICHLOROPROPENE	0.5	UG/L	U	V		
		1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	V		
		1,2,3-TRICHLOROPROPANE	0.5	UG/L	U	R		
		1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	V		
		1,2-DIBROMOETHANE	0.5	UG/L	U	V		
		1,2-DICHLOROBENZENE	0.5	UG/L	U	V		
		1,2-DICHLOROETHANE	0.5	UG/L	U	V	5	0
		1,2-DICHLOROPROPANE	0.5	UG/L	U	V		
		1,3-DICHLOROBENZENE	0.5	UG/L	U	V		
		1,3-DICHLOROPROPANE	0.5	UG/L	U	V		
		1,4-DICHLOROBENZENE	0.5	UG/L	U	V		
		2,2-DICHLOROPROPANE	0.5	UG/L	U	V		
		4-ISOPROPYL TOLUENE	0.5	UG/L	U	V		
		BENZENE	0.5	UG/L	U	V		
		BENZENE, 1,2,4-TRIMETHYL	0.5	UG/L	U	V		
		BENZENE, 1,3,5-TRIMETHYL-	0.5	UG/L	U	V		
		BROMOBENZENE	0.5	UG/L	U	V		
		BROMOCHLOROMETHANE	0.5	UG/L	U	V		
		BROMODICHLOROMETHANE	0.5	UG/L	U	V		
		BROMOFORM	0.5	UG/L	U	V		
		BROMOMETHANE	0.5	UG/L	U	V		
		CARBON TETRACHLORIDE	0.5	UG/L	U	V	5	0
		CHLOROBENZENE	0.5	UG/L	U	V		
		CHLOROETHANE	0.5	UG/L	U	V		
		CHLOROFORM	0.5	UG/L	U	V		
		CHLOROMETHANE	0.5	UG/L	U	V		
		DIBROMOCHLOROMETHANE	0.5	UG/L	U	V		
		DIBROMOMETHANE	0.5	UG/L	U	V		
		DICHLORODIFLUOROMETHANE	0.5	UG/L	U	V		
		ETHYLBENZENE	0.5	UG/L	U	V		
		HEXACHLOROBUTADIENE	0.5	UG/L	U	V		
		ISOPROPYL BENZENE	0.5	UG/L	U	V		
		METHYLENE CHLORIDE	0.5	UG/L	U	V	5	0
		NAPHTHALENE	0.5	UG/L	U	V		
		PROPANE, 1,2-DIBROMO-3-CHL	0.5	UG/L	U	R		
		STYRENE	0.5	UG/L	U	V		
		TETRACHLOROETHENE	0.5	UG/L	U	V	5	0
		TOLUENE	0.5	UG/L	U	V	2000	0
		TOTAL XYLEMES	0.5	UG/L	U	V		
		TRICHLOROETHENE	1.9	UG/L		V	5	0
		TRICHLOROFUOROMETHANE	0.5	UG/L	U	V		
		VINYL CHLORIDE	0.5	UG/L	U	V		
		cis-1,2-DICHLOROETHENE	0.5	UG/L	U	V		
		cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	V		
		n-BUTYLBENZENE	0.5	UG/L	U	V		
		n-PROPYLBENZENE	0.5	UG/L	U	V		
		o-CHLOROTOLUENE	0.5	UG/L	U	V		
		p-CHLOROTOLUENE	0.5	UG/L	U	V		
		sec-BUTYLBENZENE	0.5	UG/L	U	V		
		tert-BUTYLBENZENE	0.5	UG/L	U	V		
		trans-1,2-DICHLOROETHENE	0.5	UG/L	U	V		
		trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	V		

Well 10692 VOA January 1995 - March 1995 (well sampled quarterly)

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
GW02153GA	17-Feb-95	1,1,1,2-TETRACHLOROETHANE	0.5	UG/L	U	V		
		1,1,1-TRICHLOROETHANE	0.5	UG/L	U	V	200	0
		1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	V		
		1,1,2-TRICHLOROETHANE	0.5	UG/L	U	V	5	0
		1,1-DICHLOROETHANE	0.5	UG/L	U	V	5	0
		1,1-DICHLOROETHENE	0.5	UG/L	U	V	7	0
		1,1-DICHLOROPROPENE	0.5	UG/L	U	V		
		1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	V		
		1,2,3-TRICHLOROPROPANE	0.5	UG/L	U	R		
		1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	V		
		1,2-DIBROMOETHANE	0.5	UG/L	U	V		
		1,2-DICHLOROBENZENE	0.5	UG/L	U	V		
		1,2-DICHLOROETHANE	0.5	UG/L	U	V	5	0
		1,2-DICHLOROPROPANE	0.5	UG/L	U	V		
		1,3-DICHLOROBENZENE	0.5	UG/L	U	V		
		1,3-DICHLOROPROPANE	0.5	UG/L	U	V		
		1,4-DICHLOROBENZENE	0.5	UG/L	U	V		
		2,2-DICHLOROPROPANE	0.5	UG/L	U	V		
		4-ISOPROPYLTOluENE	0.5	UG/L	U	V		
		BENZENE	0.5	UG/L	U	V		
		BENZENE, 1,2,4-TRIMETHYL	0.5	UG/L	U	V		
		BENZENE, 1,3,5-TRIMETHYL-	0.5	UG/L	U	V		
		BROMOBENZENE	0.5	UG/L	U	V		
		BROMOCHLOROMETHANE	0.5	UG/L	U	V		
		BROMODICHLOROMETHANE	0.5	UG/L	U	V		
		BROMOFORM	0.5	UG/L	U	V		
		BROMOMETHANE	0.5	UG/L	U	V		
		CARBON TETRACHLORIDE	0.5	UG/L	U	V	5	0
		CHLOROBENZENE	0.5	UG/L	U	V		
		CHLOROETHANE	0.5	UG/L	U	V		
		CHLOROFORM	0.5	UG/L	U	V		
		CHLOROMETHANE	0.5	UG/L	U	V		
		DIBROMOCHLOROMETHANE	0.5	UG/L	U	V		
		DIBROMOMETHANE	0.5	UG/L	U	V		
		OICHLORODIFLUOROMETHANE	0.5	UG/L	U	V		
		ETHYLBENZENE	0.5	UG/L	U	V		
		HEXACHLOROBUTADIENE	0.5	UG/L	U	V		
		ISOPROPYLBENZENE	0.5	UG/L	U	V		
		METHYLENE CHLORIDE	0.5	UG/L	U	V	5	0
		NAPHTHALENE	0.5	UG/L	U	V		
		PROPANE, 1,2-DIBROMO-3-CHL	0.5	UG/L	U	R		
		STYRENE	0.5	UG/L	U	V		
		TETRACHLOROETHENE	0.5	UG/L	U	V	5	0
		TOLUENE	0.5	UG/L	U	V	2000	0
		TOTAL XYLEMES	0.5	UG/L	U	V		
		TRICHLOROETHENE	0.5	UG/L	U	V	5	0
		TRICHLOROFLUOROMETHANE	0.5	UG/L	U	V		
		VINYL CHLORIDE	0.5	UG/L	U	V		
		cis-1,2-DICHLOROETHENE	0.5	UG/L	U	V		
		cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	V		
		n-BUTYLBENZENE	0.5	UG/L	U	V		
		n-PROPYLBENZENE	0.5	UG/L	U	V		
		o-CHLOROTOLUENE	0.5	UG/L	U	V		
		p-CHLOROTOLUENE	0.5	UG/L	U	V		
		sec-BUTYLBENZENE	0.5	UG/L	U	V		
		tert-BUTYLBENZENE	0.5	UG/L	U	V		
		trans-1,2-DICHLOROETHENE	0.5	UG/L	U	V		
		trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	V		

Well 10792 VOA January 1995 - March 1995 (well sampled quarterly)

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
GW02154GA	16-Feb-95	1,1,1,2-TETRACHLOROETHANE	0.5	UG/L	U	V		
		1,1,1-TRICHLOROETHANE	0.5	UG/L	U	V	200	0
		1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	V		
		1,1,2-TRICHLOROETHANE	0.5	UG/L	U	V	5	0
		1,1-DICHLOROETHANE	0.5	UG/L	U	V	5	0
		1,1-DICHLOROETHENE	0.5	UG/L	U	V	7	0
		1,1-DICHLOROPROPENE	0.5	UG/L	U	V		
		1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	V		
		1,2,3-TRICHLOROPROPANE	0.5	UG/L	U	R		
		1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	V		
		1,2-DIBROMOETHANE	0.5	UG/L	U	V		
		1,2-DICHLOROBENZENE	0.5	UG/L	U	V		
		1,2-DICHLOROETHANE	0.5	UG/L	U	V	5	0
		1,2-DICHLOROPROPANE	0.5	UG/L	U	V		
		1,3-DICHLOROBENZENE	0.5	UG/L	U	V		
		1,3-DICHLOROPROPANE	0.5	UG/L	U	V		
		1,4-DICHLOROBENZENE	0.5	UG/L	U	V		
		2,2-DICHLOROPROPANE	0.5	UG/L	U	V		
		4-ISOPROPYLtolUENE	0.5	UG/L	U	V		
		BENZENE	0.5	UG/L	U	V		
		BENZENE, 1,2,4-TRIMETHYL	0.5	UG/L	U	V		
		BENZENE, 1,3,5-TRIMETHYL-	0.5	UG/L	U	V		
		BROMOBENZENE	0.5	UG/L	U	V		
		BROMOCHLOROMETHANE	0.5	UG/L	U	V		
		BROMODICHLOROMETHANE	0.5	UG/L	U	V		
		BROMOFORM	0.5	UG/L	U	V		
		BROMOMETHANE	0.5	UG/L	U	V		
		CARBON TETRACHLORIDE	0.5	UG/L	U	V	5	0
		CHLOROBENZENE	0.5	UG/L	U	V		
		CHLOROETHANE	0.5	UG/L	U	V		
		CHLOROFORM	0.5	UG/L	U	V		
		CHLOROMETHANE	0.5	UG/L	U	V		
		DIBROMOCHLOROMETHANE	0.5	UG/L	U	V		
		DIBROMOMETHANE	0.5	UG/L	U	V		
		DICHLORODIFLUOROMETHANE	0.5	UG/L	U	V		
		ETHYLBENZENE	0.5	UG/L	U	V		
		HEXACHLOROBUTADIENE	0.5	UG/L	U	V		
		ISOPROPYLBENZENE	0.5	UG/L	U	V		
		METHYLENE CHLORIDE	0.5	UG/L	U	V	5	0
		NAPHTHALENE	0.5	UG/L	U	V		
		PROPANE, 1,2-DIBROMO-3-CHL	0.5	UG/L	U	R		
		STYRENE	0.5	UG/L	U	V		
		TETRACHLOROETHENE	0.65	UG/L		V	5	0
		TOLUENE	1.4	UG/L		V	2000	0
		TOTAL XYLEMES	0.5	UG/L	U	V		
		TRICHLOROETHENE	0.5	UG/L	U	V	5	0
		TRICHLOROFLUOROMETHANE	0.5	UG/L	U	V		
		VINYL CHLORIDE	0.5	UG/L	U	V		
		cis-1,2-DICHLOROETHENE	0.5	UG/L	U	V		
		cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	V		
		n-BUTYLBENZENE	0.5	UG/L	U	V		
		n-PROPYLBENZENE	0.5	UG/L	U	V		
		o-CHLOROTOLUENE	0.5	UG/L	U	V		
		p-CHLOROTOLUENE	0.5	UG/L	U	V		
		sec-BUTYLBENZENE	0.5	UG/L	U	V		
		tert-BUTYLBENZENE	0.5	UG/L	U	V		
		trans-1,2-DICHLOROETHENE	0.5	UG/L	U	V		
		trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	V		

Well 10992 VOA January 1995 - March 1995 (well sampled quarterly)

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
GW02155GA	16-Feb-95	1,1,1,2-TETRACHLOROETHANE	0.5	UG/L	U	V		
		1,1,1-TRICHLOROETHANE	0.5	UG/L	U	V	200	0
		1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	V		
		1,1,2-TRICHLOROETHANE	0.5	UG/L	U	V	5	0
		1,1-DICHLOROETHANE	0.5	UG/L	U	V	5	0
		1,1-DICHLOROETHENE	0.5	UG/L	U	V	7	0
		1,1-DICHLOROPROPENE	0.5	UG/L	U	V		
		1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	V		
		1,2,3-TRICHLOROPROPANE	0.5	UG/L	U	R		
		1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	V		
		1,2-DIBROMOETHANE	0.5	UG/L	U	V	5	0
		1,2-DICHLOROBENZENE	0.5	UG/L	U	V		
		1,2-DICHLOROETHANE	0.5	UG/L	U	V		
		1,2-DICHLOROPROPANE	0.5	UG/L	U	V		
		1,3-DICHLOROBENZENE	0.5	UG/L	U	V		
		1,3-DICHLOROPROPANE	0.5	UG/L	U	V		
		1,4-DICHLOROBENZENE	0.5	UG/L	U	V		
		2,2-DICHLOROPROPANE	0.5	UG/L	U	V		
		4-ISOPROPYLtolUENE	0.5	UG/L	U	V		
		BENZENE	0.5	UG/L	U	V		
		BENZENE, 1,2,4-TRIMETHYL	0.5	UG/L	U	V		
		BENZENE, 1,3,5-TRIMETHYL-	0.5	UG/L	U	V		
		BROMOBENZENE	0.5	UG/L	U	V		
		BROMOCHLOROMETHANE	0.5	UG/L	U	V		
		BROMODICHLOROMETHANE	0.5	UG/L	U	V		
		BROMOFORM	0.5	UG/L	U	V		
		BROMOMETHANE	0.5	UG/L	U	V		
		CARBON TETRACHLORIDE	0.5	UG/L	U	V	5	0
		CHLOROBENZENE	0.5	UG/L	U	V		
		CHLOROETHANE	0.5	UG/L	U	V		
		CHLOROFORM	0.5	UG/L	U	V		
		CHLOROMETHANE	0.5	UG/L	U	V		
		DIBROMOCHLOROMETHANE	0.5	UG/L	U	V		
		DIBROMOMETHANE	0.5	UG/L	U	V		
		DICHLORODIFLUOROMETHANE	0.5	UG/L	U	V		
		ETHYLBENZENE	0.5	UG/L	U	V		
		HEXACHLOROBUTADIENE	0.5	UG/L	U	V		
		ISOPROPYLBENZENE	0.5	UG/L	U	V		
		METHYLENE CHLORIDE	0.5	UG/L	U	V	5	0
		NAPHTHALENE	0.5	UG/L	U	V		
		PROPANE, 1,2-DIBROMO-3-CHL	0.5	UG/L	U	R		
		STYRENE	0.5	UG/L	U	V		
		TETRACHLOROETHENE	0.5	UG/L	U	V	5	0
		TOLUENE	0.5	UG/L	U	V	2000	0
		TOTAL XYLEMES	0.5	UG/L	U	V		
		TRICHLOROETHENE	0.5	UG/L	U	V	5	0
		TRICHLOROFUOROMETHANE	0.5	UG/L	U	V		
		VINYL CHLORIDE	0.5	UG/L	U	V		
		cis-1,2-DICHLOROETHENE	0.5	UG/L	U	V		
		cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	V		
		n-BUTYLBENZENE	0.5	UG/L	U	V		
		n-PROPYLBENZENE	0.5	UG/L	U	V		
		o-CHLOROTOLUENE	0.5	UG/L	U	V		
		p-CHLOROTOLUENE	0.5	UG/L	U	V		
		sec-BUTYLBENZENE	0.5	UG/L	U	V		
		tet-BUTYLBENZENE	0.5	UG/L	U	V		
		trans-1,2-DICHLOROETHENE	0.5	UG/L	U	V		
		trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	V		

Well 11092 VOA January 1995 - March 1995 (well sampled quarterly)

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
GW02156GA	16-Feb-95	1,1,1,2-TETRACHLOROETHANE	0.5	UG/L	U	V		
		1,1,1-TRICHLOROETHANE	0.5	UG/L	U	V	200	0
		1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	U	V		
		1,1,2-TRICHLOROETHANE	0.5	UG/L	U	V	5	0
		1,1-DICHLOROETHANE	0.5	UG/L	U	V	5	0
		1,1-DICHLOROETHENE	0.5	UG/L	U	V	7	0
		1,1-DICHLOROPROPENE	0.5	UG/L	U	V		
		1,2,3-TRICHLOROBENZENE	0.5	UG/L	U	V		
		1,2,3-TRICHLOROPROPANE	0.5	UG/L	U	R		
		1,2,4-TRICHLOROBENZENE	0.5	UG/L	U	V		
		1,2-DIBROMOETHANE	0.5	UG/L	U	V		
		1,2-DICHLOROBENZENE	0.5	UG/L	U	V		
		1,2-DICHLOROETHANE	0.5	UG/L	U	V	5	0
		1,2-DICHLOROPROPANE	0.5	UG/L	U	V		
		1,3-DICHLOROBENZENE	0.5	UG/L	U	V		
		1,3-DICHLOROPROPANE	0.5	UG/L	U	V		
		1,4-DICHLOROBENZENE	0.5	UG/L	U	V		
		2,2-DICHLOROPROPANE	0.5	UG/L	U	V		
		4-ISOPROPYLTOluENE	0.5	UG/L	U	V		
		BENZENE	0.5	UG/L	U	V		
		BENZENE, 1,2,4-TRIMETHYL	0.5	UG/L	U	V		
		BENZENE, 1,3,5-TRIMETHYL-	0.5	UG/L	U	V		
		BROMOBENZENE	0.5	UG/L	U	V		
		BROMOCHLOROMETHANE	0.5	UG/L	U	V		
		BROMODICHLOROMETHANE	0.5	UG/L	U	V		
		BROMOFORM	0.5	UG/L	U	V		
		BROMOMETHANE	0.5	UG/L	U	V		
		CARBON TETRACHLORIDE	1.7	UG/L		V	5	0
		CHLOROBENZENE	0.5	UG/L	U	V		
		CHLOROETHANE	0.5	UG/L	U	V		
		CHLOROFORM	0.5	UG/L	U	V		
		CHLOROMETHANE	0.5	UG/L	U	V		
		DIBROMOCHLOROMETHANE	0.5	UG/L	U	V		
		DIBROMOMETHANE	0.5	UG/L	U	V		
		DICHLORODIFLUOROMETHANE	0.5	UG/L	U	V		
		ETHYLBENZENE	0.5	UG/L	U	V		
		HEXACHLOROBUTADIENE	0.5	UG/L	U	V		
		ISOPROPYLBENZENE	0.5	UG/L	U	V		
		METHYLENE CHLORIDE	0.5	UG/L	U	V	5	0
		NAPHTHALENE	0.5	UG/L	U	V		
		PROPANE, 1,2-OIBROMO-3-CHL	0.5	UG/L	U	R		
		STYRENE	0.5	UG/L	U	V		
		TETRACHLOROETHENE	0.5	UG/L	U	V	5	0
		TOLUENE	0.5	UG/L	U	V	2000	0
		TOTAL XYLENES	0.5	UG/L	U	V		
		TRICHLOROETHENE	0.5	UG/L	U	V	5	0
		TRICHLOROFLUOROMETHANE	0.5	UG/L	U	V		
		VINYL CHLORIDE	0.5	UG/L	U	V		
		cis-1,2-DICHLOROETHENE	0.5	UG/L	U	V		
		cis-1,3-DICHLOROPROPENE	0.5	UG/L	U	V		
		n-BUTYLBENZENE	0.5	UG/L	U	V		
		n-PROPYLBENZENE	0.5	UG/L	U	V		
		o-CHLOROTOLUENE	0.5	UG/L	U	V		
		p-CHLOROTOLUENE	0.5	UG/L	U	V		
		sec-BUTYLBENZENE	0.5	UG/L	U	V		
		tert-BUTYLBENZENE	0.5	UG/L	U	V		
		trans-1,2-DICHLOROETHENE	0.5	UG/L	U	V		
		trans-1,3-DICHLOROPROPENE	0.5	UG/L	U	V		

Well 35691 VOA January 1995 - March 1995 (well sampled quarterly)

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
GW02263GA	24-Mar-95	1,1,1,2-TETRACHLOROETHANE	0.2	UG/L	U	Y		
		1,1,1-TRICHLOROETHANE	0.2	UG/L	U	Y	200	0
		1,1,2,2-TETRACHLOROETHANE	0.2	UG/L	U	Y		
		1,1,2-TRICHLOROETHANE	0.6	UG/L	U	Y	5	0
		1,1-DICHLOROETHANE	0.2	UG/L	U	Y	5	0
		1,1-DICHLOROETHENE	0.2	UG/L	U	Y	7	0
		1,1-DICHLOROPROPENE	0.1	UG/L	U	Y		
		1,2,3-TRICHLOROBENZENE	0.2	UG/L	U	Y		
		1,2,3-TRICHLOROPROPANE	0.4	UG/L	U	Y		
		1,2,4-TRICHLOROBENZENE	0.3	UG/L	U	Y		
		1,2-DIBROMOETHANE	0.3	UG/L	U	Y		
		1,2-DICHLOROBENZENE	0.2	UG/L	U	Y		
		1,2-DICHLOROBENZENE-D4	93 %REC			Y		
		1,2-DICHLOROETHANE	0.4	UG/L	U	Y	5	0
		1,2-DICHLOROPROPANE	0.2	UG/L	U	Y		
		1,3-DICHLOROBENZENE	0.2	UG/L	U	Y		
		1,3-DICHLOROPROPANE	0.2	UG/L	U	Y		
		1,4-DICHLOROBENZENE	0.3	UG/L	U	Y		
		2,2-DICHLOROPROPANE	0.3	UG/L	U	Y		
		4-ISOPROPYLTOLEUNE	0.2	UG/L	U	Y		
		BENZENE	0.2	UG/L	U	Y		
		BENZENE, 1,2,4-TRIMETHYL	0.2	UG/L	U	Y		
		BROMOBENZENE	0.2	UG/L	U	Y		
		BROMOCHLOROMETHANE	0.5	UG/L	U	Y		
		BROMODICHLOROMETHANE	0.2	UG/L	U	Y		
		BROMOFLUOROBENZENE	98 %REC			Y		
		BROMOFORM	0.3	UG/L	U	Y		
		BROMOMETHANE	0.5	UG/L	U	Y		
		CARBON TETRACHLORIDE	0.3	UG/L	U	Y	5	0
		CHLOROBENZENE	0.2	UG/L	U	Y		
		CHLOROETHANE	0.4	UG/L	U	Y		
		CHLOROFORM	0.2	UG/L	U	Y		
		CHLOROMETHANE	0.4	UG/L	U	Y		
		DIBROMOCHLOROMETHANE	0.2	UG/L	U	Y		
		DIBROMOMETHANE	0.3	UG/L	U	Y		
		DICHLORODIFLUOROMETHANE	0.2	UG/L	U	Y		
		ETHYLBENZENE	0.2	UG/L	U	Y		
		HEXACHLOROBUTADIENE	0.2	UG/L	U	Y		
		ISOPROPYLBENZENE	0.2	UG/L	U	Y		
		METHYLENE CHLORIDE	0.2	UG/L	U	Y	5	0
		NAPHTHALENE	0.2	UG/L	U	Y		
		PROPANE, 1,2-DIBROMO-3-CHL	0.4	UG/L	U	Y		
		STYRENE	0.2	UG/L	U	Y		
		TETRACHLOROETHENE	0.2	UG/L	U	Y	5	0
		TOLUENE	0.2	UG/L	U	Y	2000	0
		TRICHLOROETHENE	0.2	UG/L	U	Y	5	0
		TRICHLOROFLUOROMETHANE	0.3	UG/L	U	Y		
		VINYL CHLORIDE	0.2	UG/L	U	Y		
		cis-1,2-DICHLOROETHENE	0.2	UG/L	U	Y		
		cis-1,3-DICHLOROPROPENE	0.2	UG/L	U	Y		
		m-p XYLENE	0.3	UG/L	U	Y		
		n-BUTYLBENZENE	0.2	UG/L	U	Y		
		n-PROPYLBENZENE	0.2	UG/L	U	Y		
		o-CHLOROTOLUENE	0.3	UG/L	U	Y		
		o-XYLENE	0.2	UG/L	U	Y		
		p-CHLOROTOLUENE	0.2	UG/L	U	Y		
		sec-BUTYLBENZENE	0.2	UG/L	U	Y		
		tert-BUTYLBENZENE	0.2	UG/L	U	Y		
		trans-1,2-DICHLOROETHENE	0.2	UG/L	U	Y		
		trans-1,3-DICHLOROPROPENE	0.4	UG/L	U	Y		

Well 10492 Rads January - March 1995

Sample Number	Sample Date	Isotope	Result	Unit Meas	Error	Qual	Vqual	ARAR	# SAM > ARAR
GW02151GA	16-Feb-95	GROSS ALPHA	16.9026527	PC/L	7.95425252	C	Y	15	1
		GROSS BETA	5.17070569	PC/L	5.37838783	C	Y	50	0
		RADIUM-226	0.42678819	PC/L	0.28864464		Y		
		TRITIUM	-118.65543	PC/L	171.82961		Y		
		URANIUM-233,-234	19.5783962	PC/L	1.55437271		Y		
		URANIUM-235	1.10881898	PC/L	0.29450258		Y		
		URANIUM-238	13.267148	PC/L	1.1948453		Y		
		TOTAL URANIUM	33.9543632		3.04372059			40	0

Well 10692 Rads January - March 1995

Sample Number	Sample Date	Isotope	Result	Unit Meas	Error	Qual	Vqual	ARAR	# SAM > ARAR
GW02153GA	17-Feb-95	AMERICIUM-241	0	PC/L	0.00330656		Y	4	0
		GROSS ALPHA	13.7542227	PC/L	8.94371676	C	Y	15	0
		GROSS BETA	15.9858032	PC/L	7.78399663	C	Y	50	0
		PLUTONIUM-239/240	0.00940767	PC/L	0.00923151		Y	15	0
		RADIUM-226	0.41999701	PC/L	0.22575475		Y		
		TRITIUM	-37.355256	PC/L	185.332518		Y		
		TRITIUM	118.821081	PC/L	203.41165		Y	20000	0
		URANIUM-233,-234	15.8462619	PC/L	1.47469424		Y		
		URANIUM-235	1.28961564	PC/L	0.3687581		Y		
		URANIUM-238	12.2977074	PC/L	1.25624573		Y		
TOTAL URANIUM	29.4335849		3.09969807			40	0		

Well 35691 Rads January - March 1995

Sample Number	Sample Date	Isotope	Result	Unit Meas	Error	Qual	Vqual	ARAR	# SAM > ARAR
GW02263GA	24-Mar-95	AMERICIUM-241	-0.0094321	PC/L	0.02264674	Y	Y	4	0
		GROSS ALPHA	24.0062079	PC/L	11.242909	C	Y	15	1
		GROSS BETA	10.5330763	PC/L	8.52886744	C	Y	50	0
		PLUTONIUM-239/240	0.0045495	PC/L	0.00546528		Y	15	0
		RADIUM-226	3.11636193	PC/L	0.6068263		Y		
		STRONTIUM-89.90	0.01141181	PC/L	0.22590267		Y	8	0
		TOTAL RADIOCESIUM	0.21447034	PC/L	0.30238068		Y		
		TRITIUM	-196.22238	PC/L	193.433089		Y	20000	0
		URANIUM-233,-234	17.8803337	PC/L	1.3316231		Y		
		URANIUM-235	1.34067175	PC/L	0.27988467		Y		
		URANIUM-238	14.4721987	PC/L	1.14502199		Y		
		TOTAL URANIUM	33.6932042		2.75650976			40	0

Well 10692 Metals January - March 1995

Sample Number	Sample Date	Element	Result	Unit Measure	Qualifier	Vqual	ARAR	# SAM > ARAR
GW02153GA	17-Feb-95	ALUMINUM	26	UG/L	U	V	5000	0
		ANTIMONY	52.4	UG/L	B	JA	60	0
		ARSENIC	2	UG/L	U	V	50	0
		BARIUM	62.2	UG/L	B	V	1000	0
		BERYLLIUM	1	UG/L	U	V	100	0
		CADMUM	3	UG/L	U	V	10	0
		CALCIUM	164000	UG/L		V		
		CESIUM	22	UG/L	U	V		
		CHROMIUM	3	UG/L	U	V	50	0
		COBALT	7	UG/L	U	V		
		COPPER	3	UG/L	U	V	200	0
		IRON	6	UG/L	U	V	300	0
		LEAD	2	UG/L	U	V	50	0
		LITHIUM	27.8	UG/L	B	V	2500	0
		MAGNESIUM	46500	UG/L		V		
		MANGANESE	10.8	UG/L	B	V	50	0
		MERCURY	0.2	UG/L	U	V	2	0
		MOLYBDENUM	15	UG/L	U	V	100	0
		NICKEL	12	UG/L	U	V	200	0
		POTASSIUM	780	UG/L	B	JA		
		SELENIUM	11.8	UG/L		JA	10	1
		SILICON	7400	UG/L		V		
		SILVER	4	UG/L	U	V	50	0
		SODIUM	207000	UG/L		V		
		STRONTIUM	1450	UG/L		V		
		THALLIUM	3	UG/L	U	JA	10	0
		TIN	24	UG/L	U	V		
		VANADIUM	3	UG/L	U	V	100	0
		ZINC	2	UG/L	U	V	2000	0

Well 35691 Metals January - March 1995

Sample Number	Sample Date	Element	Result	Unit Measure	Qualifier	Vqual	ARAR	# SAM > ARAR
GW02263GA	24-Mar-95	ALUMINUM	8.6	UG/L	U	Y	5000	0
		ANTIMONY	11	UG/L	U	Y	60	0
		ARSENIC	2.7	UG/L	U	Y	50	0
		BARIUM	43.3	UG/L	B	Y	1000	0
		BERYLLIUM	0.3	UG/L	B	Y	100	0
		CADMUM	.2	UG/L	U	Y	10	0
		CALCIUM	244000	UG/L		Y		
		CESIUM	40.1	UG/L	U	Y		
		CHROMIUM	2	UG/L	U	Y	50	0
		COBALT	2	UG/L	U	Y		
		COPPER	1.8	UG/L	B	Y	200	0
		IRON	1.8	UG/L	U	Y	300	0
		LEAD	0.7	UG/L	U	Y	50	0
		LITHIUM	25.5	UG/L	B	Y	2500	0
		MAGNESIUM	59500	UG/L		Y		
		MANGANESE	1.3	UG/L	B	Y	50	0
		MERCURY	0.2	UG/L	UN	Y	2	0
		MOLYBDENUM	3.2	UG/L	U	Y	100	0
		NICKEL	4.1	UG/L	U	Y	200	0
		POTASSIUM	1250	UG/L	B	Y		
		SELENIUM	11.2	UG/L		Y	10	1
		SILICON	8100	UG/L		Y		
		SILVER	2.5	UG/L	U	Y	50	0
		SODIUM	150000	UG/L		Y		
		STRONTIUM	1650	UG/L		Y		
		THALLIUM	2.9	UG/L	U	Y	10	0
		TIN	7.3	UG/L	U	Y		
		VANADIUM	2.5	UG/L	B	Y	100	0
		ZINC	4.1	UG/L	B	Y	2000	0

Well 10492 Water Quality January - March 1995

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
GW02018GA	26-Jan-95	TOX		0.02 MG/L	U	JA		
GW02151GA	16-Feb-95	AMMONIA		0.02 MG/L	U	V		
		BICARBONATE AS CACO ₃		294.815 MG/L	U	V		
		CARBONATE AS CACO ₃		10 MG/L	U	V		
		CHLORIDE		142.032 MG/L	V		250	0
		FLUORIDE		0.971 MG/L	V			
		NITRATE/NITRITE		6.624 MG/L	JA	10		0
		SPECIFIC CONDUCTIVITY		1593.1 UMHOS/CM	V			
		SULFATE		309.256 MG/L	V		250	1
		TOTAL DISSOLVED SOLIDS		1083 MG/L	V		400	1
		TOTAL SUSPENDED SOLIDS		616 MG/L	V			
		TOX		0.02 MG/L	U	JA		
GW02190GA	16-Mar-95	TOX		0.02 MG/L	U	JA		

Well 10592 Water Quality January - March 1995

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
GW02019GA	26-Jan-95	TOX		0.0453 MG/L	JA			
GW02152GA	16-Feb-95	TOX		0.0448 MG/L		JA		
GW02191GA	15-Mar-95	TOX		0.0889 MG/L		JA		

Well 10692 Water Quality January - March 1995

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
GW02020GA	26-Jan-95	TOX		0.0435 MG/L	JA			
GW02153GA	17-Feb-95	AMMONIA		0.02 MG/L	U	V		
		BICARBONATE AS CACO ₃		519.516 MG/L	U	V		
		CARBONATE AS CACO ₃		10 MG/L	U	V		
		CHLORIDE		132.015 MG/L	V		250	0
		CYANIDE		0.005 MG/L	U	V		
		FLUORIDE		1.827 MG/L	V			
		NITRATE/NITRITE		0.121 MG/L	JA	10		0
		SPECIFIC CONDUCTIVITY		1765.1 UMHOS/CM	V			
		SULFATE		320.811 MG/L	V		250	1
		TOTAL DISSOLVED SOLIDS		1270 MG/L	V		400	1
		TOTAL SUSPENDED SOLIDS		117 MG/L	V			
		TOX		0.0376 MG/L	JA			
GW02192GA	15-Mar-95	TOX		0.0369 MG/L		JA		

Well 10792 Water Quality January - March 1995

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
GW02021GA	26-Jan-95	TOX		0.0255 MG/L	JA			
GW02154GA	16-Feb-95	TOX		0.0212 MG/L		JA		
GW02193GA	15-Mar-95	TOX		0.0261 MG/L		JA		

Well 10992 Water Quality January - March 1995

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
GW02022GA	26-Jan-95	TOX		0.02 MG/L	U	JA		
GW02155GA	16-Feb-95	TOX		0.02 MG/L	U	JA		
GW02194GA	15-Mar-95	TOX		0.066 MG/L		JA		

Well 11092 Water Quality January - March 1995

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
GW02023GA	26-Jan-95	TOX		0.0257 MG/L		JA		
GW02195GA	16-Mar-95	TOX		0.024 MG/L		JA		

Well 35691 Water Quality January - March 1995

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
GW02263GA	24-Mar-95	AMMONIA	0.1	MG/L	U	Y		
		BICARBONATE AS CACO ₃	498	MG/L		Y		
		CARBONATE AS CACO ₃	1	MG/L	U	Y		
		CHLORIDE	170	MG/L		Y	250	0
		CYANIDE	0.01	MG/L	U	Y		
		FLUORIDE	1.4	MG/L		Y		
		NITRATE/NITRITE	0.12	MG/L		Y	10	0
		SPECIFIC CONDUCTIVITY	1550	UMHOS/CM		Y		
		SULFATE	510	MG/L		Y	250	1
		TOTAL DISSOLVED SOLIDS	1610	MG/L		Y	400	1
		TOTAL SUSPENDED SOLIDS	8	MG/L		Y		

Appendix B
French Drain Sump and Collections Well Data
January through March 1995

881 French Drain Sump VOA January 1995 - March 1995

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10355RG	9-Jan-95	1,1,1-TRICHLOROETHANE	10	UG/L	U	V	200	0
		1,1,2,2-TETRACHLOROETHANE	10	UG/L	U	JA		
		1,1,2-TRICHLOROETHANE	10	UG/L	U	V	5	ND
		1,1-DICHLOROETHANE	10	UG/L	U	V	5	ND
		1,1-DICHLOROETHENE	10	UG/L	U	V	7	ND
		1,2,4-TRICHLOROBENZENE	10	UG/L	U	V		
		1,2-DICHLOROBENZENE	10	UG/L	U	V		
		1,2-DICHLOROBENZENE	71	%REC		Z		
		1,2-DICHLOROETHANE	10	UG/L	U	V	5	ND
		1,2-DICHLOROETHANE-D4 (SURR)	102	%REC		Z		
		1,2-DICHLOROETHENE	10	UG/L	U	V		
		1,2-DICHLOROPROPANE	10	UG/L	U	V		
		1,3-DICHLOROBENZENE	10	UG/L	U	V		
		1,4-DICHLOROBENZENE	10	UG/L	U	V		
		2,4,5-TRICHLOROPHENOL	25	UG/L	U	V		
		2,4,6-TRIBROMOPHENOL	96	%REC		Z		
		2,4,6-TRICHLOROPHENOL	10	UG/L	U	V		
		2,4-DICHLOROPHENOL	10	UG/L	U	V		
		2,4-DIMETHYLPHENOL	10	UG/L	U	V		
		2,4-DINITROPHENOL	25	UG/L	U	JA		
		2,4-DINITROTOLUENE	10	UG/L	U	V		
		2,6-DINITROTOLUENE	10	UG/L	U	V		
		2-BUTANONE	10	UG/L	U	JA		
		2-CHLORONAPHTHALENE	10	UG/L	U	V		
		2-CHLOROPHENOL	10	UG/L	U	V		
		2-CHLOROPHENOL-04	77	%REC		Z		
		2-FLUOROBIPHENYL	79	%REC		Z		
		2-HEXANONE	10	UG/L	U	JA		
		2-METHYLNAPHTHALENE	10	UG/L	U	V		
		2-METHYLPHENOL	10	UG/L	U	V		
		2-NITROANILINE	25	UG/L	U	V		
		2-NITROPHENOL	10	UG/L	U	V		
		3,3'-DICHLOROBENZIDINE	10	UG/L	U	JA		
		3-NITROANILINE	25	UG/L	U	R		
		4,6-DINITRO-2-METHYLPHENOL	25	UG/L	U	V		
		4-CHLORO-3-METHYLPHENOL	10	UG/L	U	V		
		4-CHLOROANILINE	10	UG/L	U	JA		
		4-CHLOROPHENYL PHENYL ETHER	10	UG/L	U	V		
		4-METHYL-2-PENTANONE	10	UG/L	U	JA		
		4-METHYLPHENOL	10	UG/L	U	V		
		4-NITROANILINE	.25	UG/L	U	JA		
		4-NITROPHENOL	25	UG/L	U	V		
		9,12-Octadecadienoic acid	18	UG/L	BJ	Z		
		ACENAPHTHENE	10	UG/L	U	V		
		ACENAPHTHYLENE	10	UG/L	U	V		
		ACETONE	10	UG/L	U	JA	50	0
		ANTHRACENE	10	UG/L	U	V		
		BENZENE	10	UG/L	U	V		
		BENZO(a)ANTHRACENE	10	UG/L	U	V		
		BENZO(a)PYRENE	10	UG/L	U	V		
		BENZO(b)FLUORANTHENE	10	UG/L	U	V		
		BENZO(gn)PERYLENE	10	UG/L	U	V		
		BENZO(k)FLUORANTHENE	10	UG/L	U	V		
		BIS(2-CHLOROETHOXY)METHANE	10	UG/L	U	V		
		BIS(2-CHLOROETHYL)ETHER	10	UG/L	U	V		
		BIS(2-CHLOROISOPROPYL)ETHER	10	UG/L	U	V		
		BIS(2-ETHYLHEXYL)PHTHALATE	2	UG/L	J	A		
		BROMODICHLOROMETHANE	10	UG/L	U	V		
		BROMOFLUOROBENZENE	99	%REC		Z		
		BROMOFORM	10	UG/L	U	V		
		BROMOMETHANE	10	UG/L	U	JA		
		BUTYL BENZYL PHTHALATE	10	UG/L	U	V		
		CARBAZOLE	10	UG/L	U	V		
		CARBON DISULFIDE	10	UG/L	U	V	5	ND
		CARBON TETRACHLORIDE	10	UG/L	U	V	5	ND
		CHLOROBENZENE	10	UG/L	U	V		
		CHLOROETHANE	10	UG/L	U	JA		

881 French Drain Sump VOA January 1995 - March 1995

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10355RG	9-Jan-95	CHLOROFORM	10	UG/L	U	V		
		CHLOROMETHANE	10	UG/L	U	JA		
		CHRYSENE	10	UG/L	U	V		
		Cyclohexane (DOT)	5	UG/L	JN	Z		
		Di-n-BUTYL PHTHALATE	10	UG/L	U	V		
		Di-n-OCTYL PHTHALATE	10	UG/L	U	JA		
		DIBENZO(a,n)ANTHRACENE	10	UG/L	U	V		
		DIBENZOFURAN	10	UG/L	U	V		
		DIBROMOCHLOROMETHANE	10	UG/L	U	V		
		DIETHYL PHTHALATE	10	UG/L	U	V		
		DIMETHYL PHTHALATE	10	UG/L	U	V		
		ETHYLBENZENE	10	UG/L	U	V		
		FLUORANTHENE	10	UG/L	U	V		
		FLUORENE	10	UG/L	U	V		
		HEXACHLOROBENZENE	10	UG/L	U	V		
		HEXACHLOROBUTADIENE	10	UG/L	U	V		
		HEXACHLOROCYCLOPENTADIENE	10	UG/L	U	V		
		HEXACHLOROETHANE	10	UG/L	U	V		
		Hexadecanoic Acid	18	UG/L	BJ	Z		
		INDENO(1,2,3-cd)PYRENE	10	UG/L	U	V		
		ISOPHORONE	10	UG/L	U	V		
		METHYLENE CHLORIDE	10	UG/L	U	JA	5	NO
		N-NITROSO-DI-n-PROPYLAMINE	10	UG/L	U	V		
		N-NITROSOOIPHENYLAMINE	10	UG/L	U	V		
		NAPHTHALENE	10	UG/L	U	V		
		NITROBENZENE	10	UG/L	U	V		
		NITROBENZENE-DS	78	%REC		Z		
		Octadecanoic Acid	29	UG/L	BJ	Z		
		PENTACHLOROPHENOL	25	UG/L	U	V		
		PHENANTHRENE	10	UG/L	U	V		
		PHENOL	10	UG/L	U	V		
		PHENOL-DS	83	%REC		Z		
		PYRENE	10	UG/L	U	V		
		STYRÉNE	10	UG/L	U	V		
		TERPHENYL-D14	87	%REC		Z		
		TETRACHLOROETHENE	10	UG/L	U	V	5	NO
		TIC-Unknown	2	UG/L	J	Z		
		TIC-Unknown-1	5	UG/L	BJ	Z		
		TIC-Unknown-2	22	UG/L	BJ	Z		
		TIC-Unknown-3	2	UG/L	BJ	Z		
		TIC-Unknown-4	4	UG/L	BJ	Z		
		TIC-Unknown-5	2	UG/L	J	Z		
		TOLUENE	10	UG/L	U	V	2000	0
		TOLUENE - D8	97	%REC		Z		
		TOTAL XYLEMES	10	UG/L	U	V		
		TRICHLOROETHENE	10	UG/L	U	JA	5	NO
		VINYL CHLORIDE	10	UG/L	U	V		
		cis-1,3-DICHLOROPROPENE	10	UG/L	U	V		
		o-FLUOROPHENOL	72	%REC		Z		
		p-BROMODIPHENYL ETHER	10	UG/L	U	V		
		trans-1,3-DICHLOROPROPENE	10	UG/L	U	V		
FT10365RG	6-Feb-95	1,1,1-TRICHLOROETHANE	10	UG/L	U	V	200	0
		1,1,2,2-TETRACHLOROETHANE	10	UG/L	U	V		
		1,1,2-TRICHLOROETHANE	10	UG/L	U	V	5	NO
		1,1-DICHLOROETHANE	10	UG/L	U	V	5	NO
		1,1-DICHLOROETHENE	10	UG/L	U	V	7	NO
		1,2 DICHLOROETHANE -D4	96	%REC		Z		
		1,2,4-TRICHLOROBENZENE	10	UG/L	U	V		
		1,2-DICHLOROBENZENE	10	UG/L	U	V		
		1,2-DICHLOROBENZENE-D4	58	%REC		Z		
		1,2-DICHLOROETHANE	10	UG/L	U	V	5	NO
		1,2-DICHLOROETHENE	10	UG/L	U	V		
		1,2-DICHLOROPROPANE	10	UG/L	U	V		
		1,3-DICHLOROBENZENE	10	UG/L	U	V		
		1,4-DICHLOROBENZENE	10	UG/L	U	V		
		2,4,5-TRICHLOROPHENOL	25	UG/L	U	V		

881 French Drain Sump VOA January 1995 - March 1995

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10365RG	6-Feb-95	2,4,6-TRIBROMOPHENOL	81 %REC		Z			
		2,4,6-TRICHLOROPHENOL	10 UG/L		U	V		
		2,4-DICHLOROPHENOL	10 UG/L		U	V		
		2,4-DIMETHYLPHENOL	10 UG/L		U	V		
		2,4-DINITROPHENOL	25 UG/L		U	V		
		2,4-DINITROTOLUENE	10 UG/L		U	V		
		2,6-DINITROTOLUENE	10 UG/L		U	V		
		2-BUTANONE	10 UG/L		U	JA		
		2-CHLORONAPHTHALENE	10 UG/L		U	V		
		2-CHLOROPHENOL	10 UG/L		U	V		
		2-CHLOROPHENOL-D4	67 %REC		Z			
		2-FLUOROBIPHENYL	62 %REC		Z			
		2-HEXANONE	10 UG/L		U	V		
		2-METHYLNAPHTHALENE	10 UG/L		U	V		
		2-METHYLPHENOL	10 UG/L		U	V		
		2-NITROANILINE	25 UG/L		U	V		
		2-NITROPHENOL	10 UG/L		U	V		
		3,3'-DICHLOROBENZIDINE	10 UG/L		U	JA		
		3-NITROANILINE	25 UG/L		U	JA		
		4,6-DINITRO-2-METHYLPHENOL	25 UG/L		U	V		
		4-CHLORO-3-METHYLPHENOL	10 UG/L		U	V		
		4-CHLOROANILINE	10 UG/L		U	JA		
		4-CHLOROPHENYL PHENYL ETHER	10 UG/L		U	V		
		4-METHYL-2-PENTANONE	10 UG/L		U	V		
		4-METHYLPHENOL	10 UG/L		U	V		
		4-NITROANILINE	25 UG/L		U	JA		
		4-NITROPHENOL	25 UG/L		U	V		
		ACENAPHTHENE	10 UG/L		U	V		
		ACENAPHTHYLENE	10 UG/L		U	V		
		ACETONE	10 UG/L		U	V	50	0
		ANTHRACENE	10 UG/L		U	V		
		BENZENE	10 UG/L		U	V		
		BENZO(a)ANTHRACENE	10 UG/L		U	V		
		BENZO(a)PYRENE	10 UG/L		U	V		
		BENZO(b)FLUORANTHENE	10 UG/L		U	V		
		BENZO(ghi)PERYLENE	10 UG/L		U	V		
		BENZO(k)FLUORANTHENE	10 UG/L		U	V		
		BIS(2-CHLOROETHOXY)METHANE	10 UG/L		U	V		
		BIS(2-CHLOROETHYL)ETHER	10 UG/L		U	V		
		BIS(2-CHLOROISOPROPYL)ETHER	10 UG/L		U	V		
		BIS(2-ETHYLHEXYL)PHTHALATE	10 UG/L		U	V		
		BROMODICHLOROMETHANE	10 UG/L		U	V		
		BROMOFLUOROBENZENE	96 %REC		Z			
		BROMOFORM	10 UG/L		U	V		
		BROMOMETHANE	10 UG/L		U	V		
		BUTYL BENZYL PHTHALATE	10 UG/L		U	V		
		CARBAZOLE	10 UG/L		U	V		
		CARBON DISULFIDE	10 UG/L		U	V	5	NO
		CARBON TETRACHLORIDE	10 UG/L		U	V	5	NO
		CHLOROBENZENE	10 UG/L		U	V		
		CHLOROETHANE	10 UG/L		U	V		
		CHLOROFORM	10 UG/L		U	V		
		CHLORMETHANE	10 UG/L		U	V		
		CHRYSENE	10 UG/L		U	V		
		DI-n-BUTYL PHTHALATE	2 UG/L		J	A		
		DI-n-OCTYL PHTHALATE	10 UG/L		U	JA		
		DIBENZO(a,n)ANTHRACENE	10 UG/L		U	V		
		DIBENZOFURAN	10 UG/L		U	V		
		DIBROMOCHLOROMETHANE	10 UG/L		U	V		
		DIETHYL PHTHALATE	10 UG/L		U	V		
		DIMETHYL PHTHALATE	10 UG/L		U	V		
		ETHYLBENZENE	10 UG/L		U	V		
		FLUORANTHENE	10 UG/L		U	JA		
		FLUORENE	10 UG/L		U	V		
		HEXAChLOROBENZENE	10 UG/L		U	V		
		HEXAChLOROBUTADIENE	10 UG/L		U	V		
		HEXAChLOROCYCLOPENTADIENE	10 UG/L		U	JA		

881 French Drain Sump VOA January 1995 - March 1995

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	VQual	ARAR	# SAM > ARAR
FT10365RG	6-Feb-95	HEXAChLORoETHANE	10	UG/L	U	V		
		INDENO(1,2,3-cd)PYRENE	10	UG/L	U	V		
		ISOPHORONE	10	UG/L	U	V		
		METHYLENE CHLORIDE	10	UG/L	U	V	5	ND
		N-NITROSO-DI-n-PROPYLAMINE	10	UG/L	U	V		
		N-NITROSOdIPHENYLAMINE	10	UG/L	U	V		
		NAPHTHALENE	10	UG/L	U	V		
		NITROBENZENE	10	UG/L	U	V		
		NITROBENZENE-D5	64	%REC		Z		
		PENTACHLOROPHENOL	25	UG/L	U	JA		
		PHENANTHRENE	10	UG/L	U	V		
		PHENOL	10	UG/L	U	V		
		PHENOL-D5	44	%REC		Z		
		PYRENE	10	UG/L	U	V		
		STYRENE	10	UG/L	U	V		
		TERPHENYL-D14	64	%REC		Z		
		TETRACHLOROETHENE	10	UG/L	U	V	5	ND
		TIC-Unknown Aromatic	2	UG/L	J	Z		
		TIC-Unknown Ester	2	UG/L	J	Z		
		TOLUENE	10	UG/L	U	V	2000	0
		TOLUENE - D8	100	%REC		Z		
		TOTAL XYLEMES	10	UG/L	U	V		
		TRICHLOROETHENE	10	UG/L	U	V	5	ND
		VINYL CHLORIDE	10	UG/L	U	V		
		cis-1,3-DICHLOROPROPENE	10	UG/L	U	V		
		o-FLUOROPHENOL	61	%REC		Z		
		p-BROMODIPHENYL ETHER	10	UG/L	U	V		
		trans-1,3-DICHLOROPROPENE	10	UG/L	U	V		
FT10381RG	15-Mar-95	1,1,1-TRICHLOROETHANE	10	UG/L	U	V	200	0
		1,1,2,2-TETRACHLOROETHANE	10	UG/L	U	V		
		1,1,2-TRICHLOROETHANE	10	UG/L	U	V	5	NO
		1,1-DICHLOROETHANE	10	UG/L	U	V	5	NO
		1,1-DICHLOROETHENE	10	UG/L	U	V	7	NO
		1,2,4-TRICHLOROBENZENE	10	UG/L	U	V		
		1,2-DICHLOROBENZENE	10	UG/L	U	V		
		1,2-DICHLOROBENZENE-D4	40	%REC		Z		
		1,2-DICHLOROETHANE	10	UG/L	U	V	5	NO
		1,2-DICHLOROETHANE-D4 (SURR)	106	%REC		Z		
		1,2-DICHLOROETHENE	10	UG/L	U	V		
		1,2-DICHLOROPROPANE	10	UG/L	U	V		
		1,3-DICHLOROBENZENE	10	UG/L	U	V		
		1,4-DICHLOROBENZENE	10	UG/L	U	V		
		2,4,5-TRICHLOROPHENOL	25	UG/L	U	V		
		2,4,6-TRIBROMOPHENOL	76	%REC		Z		
		2,4,6-TRICHLOROPHENOL	10	UG/L	U	V		
		2,4-DICHLOROPHENOL	10	UG/L	U	V		
		2,4-DIMETHYLPHENOL	10	UG/L	U	V		
		2,4-DINITROPHENOL	25	UG/L	U	V		
		2,4-DINITROTOLUENE	10	UG/L	U	V		
		2,6-DINITROTOLUENE	10	UG/L	U	V		
		2-BUTANONE	10	UG/L	U	V		
		2-CHLORONAPHTHALENE	10	UG/L	U	V		
		2-CHLOROPHENOL	10	UG/L	U	V		
		2-CHLOROPHENOL-D4	53	%REC		Z		
		2-FLUOROBIPHENYL	54	%REC		Z		
		2-HEXANONE	10	UG/L	U	V		
		2-METHYLNAPHTHALENE	10	UG/L	U	V		
		2-METHYLPHENOL	10	UG/L	U	V		
		2-NITROANILINE	25	UG/L	U	V		
		2-NITROPHENOL	10	UG/L	U	V		
		3,3'-DICHLOROBENZIDINE	10	UG/L	U	V		
		3-NITROANILINE	25	UG/L	U	V		
		4,6-DINITRO-2-METHYLPHENOL	25	UG/L	U	V		
		4-CHLORO-3-METHYLPHENOL	10	UG/L	U	V		
		4-CHLOROANILINE	10	UG/L	U	V		
		4-CHLOROPHENYL PHENYL ETHE	10	UG/L	U	V		

881 French Drain Sump VOA January 1995 - March 1995

Sample Number	Sample Date	Compound	Result	Unit	Mess	Qual	Vqual	ARAR	# SAM > ARAR
FT10381RG	15-Mar-95	4-METHYL-2-PENTANONE	10	UG/L		U	V		
		4-METHYLPHENOL	10	UG/L		U	V		
		4-NITROANILINE	25	UG/L		U	V		
		4-NITROPHENOL	25	UG/L		U	V		
		ACENAPHTHENE	10	UG/L		U	V		
		ACENAPHTHYLENE	10	UG/L		U	V		
		ACETONE	10	UG/L		U	V	50	0
		ANTHRACENE	10	UG/L		U	V		
		BENZENE	10	UG/L		U	V		
		BENZO(a)ANTHRACENE	10	UG/L		U	V		
		BENZO(a)PYRENE	10	UG/L		U	V		
		BENZO(b)FLUORANTHENE	10	UG/L		U	V		
		BENZO(ghi)PERYLENE	10	UG/L		U	V		
		BENZO(k)FLUORANTHENE	10	UG/L		U	V		
		BIS(2-CHLOROETHOXY)METHANE	10	UG/L		U	V		
		BIS(2-CHLOROETHYL)ETHER	10	UG/L		U	V		
		BIS(2-CHLOROISOPROPYL)ETHER	10	UG/L		U	V		
		BIS(2-ETHYLHEXYL)PHTHALATE	0.6	UG/L		J	A		
		BROMODICHLOROMETHANE	10	UG/L		U	V		
		BROMOFLUOROBENZENE	106	%REC		Z			
		BROMOFORM	10	UG/L		U	V		
		BROMOMETHANE	10	UG/L		U	V		
		BUTYL BENZYL PHTHALATE	10	UG/L		U	V		
		CARBAZOLE	10	UG/L		U	V		
		CARBON DISULFIDE	10	UG/L		U	V	5	ND
		CARBON TETRACHLORIDE	10	UG/L		U	V	5	ND
		CHLOROBENZENE	10	UG/L		U	V		
		CHLOROETHANE	10	UG/L		U	V		
		CHLOROFORM	10	UG/L		U	V		
		CHLOROMETHANE	10	UG/L		U	V		
		CHRYSENE	10	UG/L		U	V		
		DI-n-BUTYL PHTHALATE	10	UG/L		U	V		
		DI-n-OCTYL PHTHALATE	10	UG/L		U	V		
		OIBENZO(a,n)ANTHRACENE	10	UG/L		U	V		
		DIBENZOFURAN	10	UG/L		U	V		
		DIBROMOCHLOROMETHANE	10	UG/L		U	V		
		DIETHYL PHTHALATE	10	UG/L		U	V		
		DIMETHYL PHTHALATE	10	UG/L		U	V		
		ETHYLBENZENE	10	UG/L		U	V		
		FLUORANTHENE	10	UG/L		U	V		
		FLUORENE	10	UG/L		U	V		
		HEXACHLOROBENZENE	10	UG/L		U	V		
		HEXACHLOROBUTADIENE	10	UG/L		U	V		
		HEXACHLOROCYCLOPENTADIENE	10	UG/L		U		JA	
		HEXACHLOROETHANE	10	UG/L		U	V		
		INDENO(1,2,3-cd)PYRENE	10	UG/L		U	V		
		ISOPHORONE	10	UG/L		U	V		
		METHYLENE CHLORIDE	10	UG/L		U	V	5	ND
		N-NITROSO-DI-n-PROPYLAMINE	10	UG/L		U	V		
		N-NITROSODIPHENYLAMINE	10	UG/L		U	V		
		NAPHTHALENE	10	UG/L		U	V		
		NITROBENZENE	10	UG/L		U	V		
		NITROBENZENE-05	52	%REC		Z			
		PENTACHLOROPHENOL	25	UG/L		U	V		
		PHENANTHRENE	10	UG/L		U	V		
		PHENOL	10	UG/L		U	V		
		PHENOL-05	29	%REC		Z			
		PYRENE	10	UG/L		U	V		
		STYRENE	10	UG/L		U	V		
		TERPHENYL-D14	60	%REC		Z			
		TETRACHLOROETHENE	10	UG/L		U	V	5	ND
		TOLUENE	10	UG/L		U	V	2000	0
		TOLUENE - D8	96	%REC		Z			
		TOTAL XYLEMES	10	UG/L		U	V		
		TRICHLOROETHENE	28	UG/L		V		5	1
		VINYL CHLORIDE	10	UG/L		U	V		
		cis-1,3-DICHLOROPROPENE	10	UG/L		U	V		

881 French Drain Sump VOA January 1995 - March 1995

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10381RG	15-Mar-95	o-FLUOROPHENOL	36	%REC	Z			
		p-BROMODIPHENYL ETHER	10	UG/L	U	V		
		trans-1,3-DICHLOROPROPENE	10	UG/L	U	V		

881 French Drain Sump Rads January - March 1995

Sample Number	Sample Date	Isotope	Result	Unit Mess	Error	Qual	Vqual	ARAR	# SAM > ARAR
FT10355RG	9-Jan-95	AMERICIUM-241	0.035	PCI/L	0.017	V	4	0	
		GROSS ALPHA	6.5	PCI/L	2	A	15	0	
		GROSS BETA	6.9	PCI/L	1	A	50	0	
		PLUTONIUM-239/240	0.001	PCI/L	0.003	U	V	15	0
		STRONTIUM-89,90	0.12	PCI/L	0.089	J	A		
		TOTAL RADIOCESIUM	0.07	PCI/L	0.11	U	V		
		TRITIUM	239	PCI/L	160	U	V	20000	0
		URANIUM-233,-234	6.3	PCI/L	0.56		V		
		URANIUM-235	0.16	PCI/L	0.071	J	V		
		URANIUM-238	4.6	PCI/L	0.44		V		
		TOTAL URANIUM	11.06		1.071			40	0
FT10365RG	6-Feb-95	AMERICIUM-241	0.00269534	PCI/L	0.00373798	V	4	0	
		GROSS ALPHA	8.65734935	PCI/L	5.23780449	C	V	15	0
		GROSS BETA	5.44087288	PCI/L	3.7985436	C	V	50	0
		PLUTONIUM-239/240	0.00087815	PCI/L	0.00297471		V	15	0
		RADIUM-226	0.38075717	PCI/L	0.08929982		V		
		STRONTIUM-89,90	-0.0216704	PCI/L	0.18471071		V	8	0
		TOTAL RADIOCESIUM	0.31646161	PCI/L	0.28696403		V		
		TRITIUM	-73.716086	PCI/L	189.73672		V	20000	0
		URANIUM-233,-234	5.44578075	PCI/L	1.03827813		V		
		URANIUM-235	0.32405944	PCI/L	0.24694148		V		
		URANIUM-238	4.70281378	PCI/L	0.95940416		V		
		TOTAL URANIUM	10.472654		2.24462377			40	0
FT10381RG	15-Mar-95	GROSS ALPHA	6.88191586	PCI/L	3.338843	C	V	15	0
		GROSS BETA	4.53166228	PCI/L	2.23413867		V	50	0
		RADIUM-226	0.15711407	PCI/L	0.14515124		V		
		STRONTIUM-89,90	0.10598029	PCI/L	0.2125873		Y	8	0
		TOTAL RADIOCESIUM	0.44229559	PCI/L	0.35780881		Y		
		TRITIUM	38.5674686	PCI/L	219.205051		Y	20000	0
		URANIUM-233,-234	6.24742769	PCI/L	0.77311903		Y		
		URANIUM-235	0.83367641	PCI/L	0.26706809		Y		
		URANIUM-238	3.43762865	PCI/L	0.5534137		Y		
		TOTAL URANIUM	10.5187328		1.59360082			40	0

881 French Drain Sump Metals January - March 1995

Sample Number	Sample Date	Element	Result	Unit Measure	Qualifier	Vqual	ARAR	# SAM > ARAR
FT10355RG	9-Jan-95	ALUMINUM	23.5	UG/L	U	V	5000	0
		ANTIMONY	32.7	UG/L	U	V	60	0
		ARSENIC	13.5	UG/L		V	50	0
		BARIUM	161	UG/L	B	V	1000	0
		BERYLLIUM	0.39	UG/L	U	JA	100	0
		CADMIUM	3.8	UG/L	U	V	10	0
		CALCIUM	88300	UG/L		V		
		CESIUM	30.5	UG/L	U	V		
		CHROMIUM	2.9	UG/L	U	V	50	0
		COBALT	4.1	UG/L	U	V		
		COPPER	20.1	UG/L	U	JA	200	0
		IRON	41.1	UG/L	B	JA	300	0
		LEAD	1.8	UG/L	B	JA	50	0
		LITHIUM	34.9	UG/L	U	JA	2500	0
		MAGNESIUM	27300	UG/L		V		
		MANGANESE	4.8	UG/L	U	JA	50	0
		MERCURY	0.18	UG/L	U	JA	2	0
		MOLYBDENUM	9.5	UG/L	U	V	100	0
		NICKEL	15.2	UG/L	U	V	200	0
		POTASSIUM	4190	UG/L	U	JA		
		SELENIUM	26.9	UG/L		V	10	1
		SILICON	6650	UG/L		V		
		SILVER	3.8	UG/L	U	V	50	0
		SODIUM	85600	UG/L		V		
		STRONTIUM	771	UG/L		V		
		THALLIUM	1.5	UG/L	U	JA	10	0
		TIN	47	UG/L	U	V		
		VANADIUM	18.3	UG/L	U	JA	100	0
		ZINC	169	UG/L		V	2000	0
FT10365RG	6-Feb-95	ALUMINUM	26	UG/L	U	V	5000	0
		ANTIMONY	45	UG/L	U	V	60	0
		ARSENIC	5.6	UG/L	B	V	50	0
		BARIUM	71.1	UG/L	B	V	1000	0
		BERYLLIUM	1	UG/L	U	V	100	0
		CADMIUM	3	UG/L	U	V	10	0
		CALCIUM	180000	UG/L		V		
		CESIUM	61	UG/L	U	JA		
		CHROMIUM	4.5	UG/L	U	JA	50	0
		COBALT	7	UG/L	U	V		
		COPPER	3	UG/L	U	V	200	0
		IRON	35.5	UG/L	U	JA	300	0
		LEAD	2	UG/L	U	V	50	0
		LITHIUM	26.4	UG/L	B	V	2500	0
		MAGNESIUM	37500	UG/L		V		
		MANGANESE	1.7	UG/L	U	JA	50	0
		MERCURY	0.2	UG/L	U	V	2	0
		MOLYBDENUM	15	UG/L	U	V	100	0
		NICKEL	14.8	UG/L	B	V	200	0
		POTASSIUM	1810	UG/L	B	V		
		SELENIUM	13	UG/L		V	10	1
		SILICON	6030	UG/L	E	JA		
		SILVER	4	UG/L	U	V	50	0
		SODIUM	138000	UG/L		V		
		STRONTIUM	1260	UG/L		V		
		THALLIUM	3	UG/L	U	V	10	0
		TIN	64.1	UG/L	U	JA		
		VANADIUM	5	UG/L	U	JA	100	0
		ZINC	11.9	UG/L	U	JA	2000	0
FT10381RG	15-Mar-95	ALUMINUM	26	UG/L	U	V	5000	0
		ANTIMONY	2.8	UG/L	B	V	60	0
		ARSENIC	10.5	UG/L		V	50	0
		BARIUM	101	UG/L	B	V	1000	0
		BERYLLIUM	1	UG/L	U	V	100	0
		CADMIUM	3	UG/L	U	V	10	0

881 French Drain Sump Metals January - March 1995

Sample Number FT10381RG	Sample Date 15-Mar-95	Element	Result	Unit Measure	Qualifier	Vqual	ARAR	# SAM > ARAR
		CALCIUM	64200	UG/L		V		
		CESIUM	22	UG/L	U	V		
		CHROMIUM	3	UG/L	U	V	50	0
		COBALT	7	UG/L	U	V		
		COPPER	4.9	UG/L	U	JA	200	0
		IRON	6	UG/L	U	V	300	0
		LEAD	2	UG/L	U	V	50	0
		LITHIUM	17.6	UG/L	B	V	2500	0
		MAGNESIUM	18300	UG/L		V		
		MANGANESE	1	UG/L	U,	V	50	0
		MERCURY	0.2	UG/L	U	V	2	0
		MOLYBDENUM	15	UG/L	U	V	100	0
		NICKEL	12	UG/L	U	V	200	0
		POTASSIUM	1570	UG/L	B	V		
		SELENIUM	45.6	UG/L		V	10	1
		SILICON	5030	UG/L		V		
		SILVER	4	UG/L	U	V	50	0
		SODIUM	77700	UG/L		V		
		STRONTIUM	585	UG/L		V		
		THALLIUM	3	UG/L	U	V	10	0
		TIN	24	UG/L	U	V		
		VANADIUM	3.2	UG/L	B	V	100	0
		ZINC	101	UG/L		V	2000	0

881 French Drain Sump Water Quality January - March 1995

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10355RG	9-Jan-95	4,4'-DDD	0.1	UG/L	U	V		
		4,4'-DOE	0.1	UG/L	U	V		
		4,4'-DDT	0.1	UG/L	U	V		
		ALDRIN	0.05	UG/L	U	V		
		AROCLOR-1016	1	UG/L	U	V		
		AROCLOR-1221	2	UG/L	U	V		
		AROCLOR-1232	1	UG/L	U	V		
		AROCLOR-1242	1	UG/L	U	V		
		AROCLOR-1248	1	UG/L	U	V		
		AROCLOR-1254	1	UG/L	U	V		
		AROCLOR-1260	1	UG/L	U	V		
		BICARBONATE AS CACO ₃	264	MG/L		V		
		CARBONATE AS CACO ₃	10	MG/L	U	V		
		CHLORIDE	84.9	MG/L	V		250	0
		DCB-1	128	%REC	Z			
		DCB-2	130	%REC	Z			
		DIELDRIN	0.1	UG/L	U	V		
		ENDOSULFAN I	0.05	UG/L	U	V		
		ENDOSULFAN II	0.1	UG/L	U	V		
		ENDOSULFAN SULFATE	0.1	UG/L	U	V		
		ENDRIN	0.1	UG/L	U	V		
		ENDRIN ALDEHYDE	0.1	UG/L	U	V		
		ENDRIN KETONE	0.1	UG/L	U	V		
		FLUORIDE	0.88	MG/L		V		
		HEPTACHLOR	0.05	UG/L	U	V		
		HEPTACHLOR EPOXIDE	0.05	UG/L	U	V		
		METHOXYPHOR	0.5	UG/L	U	JA		
		NITRATE/NITRITE	1.48	MG/L	V		10	0
		SULFATE	106	MG/L	V		250	0
		TCMX-1	96	%REC	Z			
		TCMX-2	98	%REC	Z			
		TOTAL DISSOLVED SOLIDS	623	MG/L	V		400	1
		TOTAL SUSPENDED SOLIDS	5	MG/L	U	V		
		TOXAPENE	5	UG/L	U	V		
		alpha-BHC	0.05	UG/L	U	V		
		alpha-CHLORDANE	0.05	UG/L	U	V		
		beta-BHC	0.05	UG/L	U	V		
		delta-BHC	0.05	UG/L	U	V		
		gamma-BHC (LINDANE)	0.05	UG/L	U	V		
		gamma-CHLORDANE	0.05	UG/L	U	V		
FT10365RG	6-Feb-95	4,4'-DDD	0.1	UG/L	U	V		
		4,4'-DOE	0.1	UG/L	U	V		
		4,4'-DDT	0.1	UG/L	U	V		
		ALDRIN	0.051	UG/L	U	V		
		AROCLOR-1016	1	UG/L	U	V		
		AROCLOR-1221	2	UG/L	U	V		
		AROCLOR-1232	1	UG/L	U	V		
		AROCLOR-1242	1	UG/L	U	V		
		AROCLOR-1248	1	UG/L	U	V		
		AROCLOR-1254	1	UG/L	U	V		
		AROCLOR-1260	1	UG/L	U	V		
		BICARBONATE AS CACO ₃	246.338	MG/L		V		
		CARBONATE AS CACO ₃	1.068	MG/L	B	V		
		CHLORIDE	105.506	MG/L	V		250	0
		DECACHLOROBIPHENYL	90	%REC	Z			
		DIELDRIN	0.1	UG/L	U	V		
		ENDOSULFAN I	0.051	UG/L	U	V		
		ENDOSULFAN II	0.1	UG/L	U	V		
		ENDOSULFAN SULFATE	0.1	UG/L	U	V		
		ENDRIN	0.1	UG/L	U	V		
		ENDRIN ALDEHYDE	0.1	UG/L	U	V		
		ENDRIN KETONE	0.1	UG/L	U	V		
		FLUORIDE	1.196	MG/L		V		
		HEPTACHLOR	0.051	UG/L	U	V		
		HEPTACHLOR EPOXIDE	0.051	UG/L	U	V		

381 French Drain Sump Water Quality January - March 1995

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10365RG	5-Feb-95	METHOXYCHLOR	0.51	UG/L	U	V		
		NITRATE/NITRITE	4.464	MG/L		V	10	0
		SULFATE	71.61	MG/L		V	250	0
		TETRACHLORO-M-XYLENE, TCMX (SURR)	77	%REC		Z		
		TOTAL DISSOLVED SOLIDS	581	MG/L		V	400	1
		TOTAL SUSPENDED SOLIDS	5	MG/L	U	V		
		TOXAPHENE	5.1	UG/L	U	V		
		alpha-BHC	0.051	UG/L	U	V		
		alpha-CHLORDANE	0.051	UG/L	U	V		
		beta-BHC	0.051	UG/L	U	V		
		delta-BHC	0.051	UG/L	U	V		
		gamma-BHC (LINDANE)	0.051	UG/L	U	V		
		gamma-CHLORDANE	0.051	UG/L	U	V		
		pH	8.05	PH		V		
FT10381RG	15-Mar-95	4,4'-DDD	0.1	UG/L	U	JA		
		4,4'-DOE	0.1	UG/L	U	JA		
		4,4'-DDT	0.1	UG/L	U	JA		
		ALDRIN	0.05	UG/L	U	JA		
		ACROCLOR-1016	1	UG/L	U	JA		
		ACROCLOR-1221	2	UG/L	U	JA		
		ACROCLOR-1232	1	UG/L	U	JA		
		ACROCLOR-1242	1	UG/L	U	JA		
		ACROCLOR-1248	1	UG/L	U	JA		
		ACROCLOR-1254	1	UG/L	U	JA		
		ACROCLOR-1260	1	UG/L	U	JA		
		BICARBONATE AS CACO ₃	175.338	MG/L		V		
		CARBONATE AS CACO ₃	10	MG/L	U	V		
		CHLORIDE	78.167	MG/L		V	250	0
		DECACHLOROBIPHENYL	42	%REC	*	Z		
		DIELDRIN	0.1	UG/L	U	JA		
		ENDOSULFAN I	0.05	UG/L	U	JA		
		ENDOSULFAN II	0.1	UG/L	U	JA		
		ENDOSULFAN SULFATE	0.1	UG/L	U	JA		
		ENDRIN	0.1	UG/L	U	JA		
		ENDRIN ALDEHYDE	0.1	UG/L	U	JA		
		ENDRIN KETONE	0.1	UG/L	U	JA		
		FLUORIDE	0.869	MG/L		V		
		HEPTACHLOR	0.05	UG/L	U	JA		
		HEPTACHLOR EPOXIDE	0.05	UG/L	U	JA		
		METHOXYCHLOR	0.5	UG/L	U	JA		
		NITRATE/NITRITE	2.94	MG/L		V	10	0
		SULFATE	84.187	MG/L		V	250	0
		TETRACHLORO-M-XYLENE, TCMX (SURR)	48	%REC	*	Z		
		TOTAL DISSOLVED SOLIDS	479	MG/L		V	400	1
		TOTAL SUSPENDED SOLIDS	5	MG/L		V		
		TOXAPHENE	.5	UG/L	U	JA		
		alpha-BHC	0.05	UG/L	U	JA		
		alpha-CHLORDANE	0.05	UG/L	U	JA		
		beta-BHC	0.05	UG/L	U	JA		
		delta-BHC	0.05	UG/L	U	JA		
		gamma-BHC (LINDANE)	0.05	UG/L	U	JA		
		gamma-CHLORDANE	0.05	UG/L	U	JA		
		pH	8.13	PH		JA		

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10354RG	9-Jan-95	1,1,1-TRICHLOROETHANE	5	UG/L	J	A	200	0
		1,1,1-TRICHLOROETHANE	100	UG/L	U	Z	200	0
		1,1,2,2-TETRACHLOROETHANE	10	UG/L	U	JA		
		1,1,2,2-TETRACHLOROETHANE	100	UG/L	U	Z		
		1,1,2-TRICHLOROETHANE	10	UG/L	U	V	5	ND
		1,1,2-TRICHLOROETHANE	100	UG/L	U	Z	5	ND
		1,1-DICHLOROETHANE	10	UG/L	U	V	5	ND
		1,1-DICHLOROETHANE	100	UG/L	U	Z	5	ND
		1,1-DICHLOROETHENE	17	UG/L		V	7	1
		1,1-DICHLOROETHENE	100	UG/L	U	Z	7	ND
		1,2,4-TRICHLOROBENZENE	10	UG/L	U	V		
		1,2-DICHLOROBENZENE	10	UG/L	U	V		
		1,2-DICHLOROBENZENE	58	%REC		Z		
		1,2-DICHLOROETHANE	10	UG/L	U	V	5	ND
		1,2-DICHLOROETHANE	100	UG/L	U	Z	5	ND
		1,2-DICHLOROETHANE-D4 (SURR)	100	%REC		Z		
		1,2-DICHLOROETHANE-D4 (SURR)	101	%REC		Z		
		1,2-DICHLOROETHENE	10	UG/L	U	V		
		1,2-DICHLOROETHENE	100	UG/L	U	Z		
		1,2-DICHLOROPROPANE	10	UG/L	U	V		
		1,2-DICHLOROPROPANE	100	UG/L	U	Z		
		1,3-DICHLOROBENZENE	10	UG/L	U	V		
		1,4-DICHLOROBENZENE	10	UG/L	U	V		
		2,4,5-TRICHLOROPHENOL	25	UG/L	U	V		
		2,4,6-TRIBROMOPHENOL	87	%REC		Z		
		2,4,6-TRICHLOROPHENOL	10	UG/L	U	V		
		2,4-DICHLOROPHENOL	10	UG/L	U	V		
		2,4-DIMETHYLPHENOL	10	UG/L	U	V		
		2,4-DINITROPHENOL	25	UG/L	U	JA		
		2,4-DINITROTOLUENE	10	UG/L	U	V		
		2,6-DINITROTOLUENE	10	UG/L	U	V		
		2-BUTANONE	10	UG/L	U	JA		
		2-BUTANONE	100	UG/L	U	Z		
		2-CHLORONAPHTHALENE	10	UG/L	U	V		
		2-CHLOROPHENOL	.10	UG/L	U	V		
		2-CHLOROPHENOL-D4	63	%REC		Z		
		2-FLUOROBIPHENYL	70	%REC		Z		
		2-HEXANONE	10	UG/L	U	JA		
		2-HEXANONE	100	UG/L	U	Z		
		2-METHYLNAPHTHALENE	.10	UG/L	U	V		
		2-METHYLPHENOL	10	UG/L	U	V		
		2-NITROANILINE	25	UG/L	U	V		
		2-NITROPHENOL	10	UG/L	U	V		
		3,3'-DICHLOROBENZIDINE	10	UG/L	U	JA		
		3-NITROANILINE	25	UG/L	U	R		
		4,6-DINITRO-2-METHYLPHENOL	25	UG/L	U	V		
		4-CHLORO-3-METHYLPHENOL	10	UG/L	U	V		
		4-CHLOROANILINE	10	UG/L	U	JA		
		4-CHLOROPHENYL PHENYL ETH	10	UG/L	U	V		
		4-METHYL-2-PENTANONE	10	UG/L	U	JA		
		4-METHYL-2-PENTANONE	100	UG/L	U	Z		
		4-METHYLPHENOL	10	UG/L	U	V		
		4-NITROANILINE	25	UG/L	U	JA		
		4-NITROPHENOL	25	UG/L	U	V		
		ACENAPHTHENE	10	UG/L	U	V		
		ACENAPHTHYLENE	10	UG/L	U	V		
		ACETONE	10	UG/L	U	JA	50	0
		ACETONE	100	UG/L	U	Z	50	ND
		ANTHRACENE	10	UG/L	U	V		
		BENZENE	10	UG/L	U	V		
		BENZENE	100	UG/L	U	Z		
		BENZO(a)ANTHRACENE	10	UG/L	U	V		

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10354RG	9-Jan-95	BENZO(a)PYRENE	10	UG/L	U	V		
		BENZO(b)FLUORANTHENE	10	UG/L	U	V		
		BENZO(ghi)PERYLENE	10	UG/L	U	V		
		BENZO(k)FLUORANTHENE	10	UG/L	U	V		
		BIS(2-CHLOROETHOXY)METHAN	10	UG/L	U	V		
		BIS(2-CHLOROETHYL)ETHER	10	UG/L	U	V		
		BIS(2-CHLOROISOPROPYL)ETHE	10	UG/L	U	V		
		BIS(2-ETHYLHEXYL)PHTHALATE	1	UG/L	J	A		
		BROMODICHLOROMETHANE	10	UG/L	U	V		
		BROMODICHLOROMETHANE	100	UG/L	U	Z		
		BROMOFLUOROBENZENE	99	%REC		Z		
		BROMOFLUOROBENZENE	97	%REC		Z		
		BROMOFORM	10	UG/L	U	V		
		BROMOFORM	100	UG/L	U	Z		
		BROMOMETHANE	10	UG/L	U	JA		
		BROMOMETHANE	100	UG/L	U	Z		
		BUTYL BENZYL PHTHALATE	3	UG/L	J	A		
		CARBAZOLE	10	UG/L	U	V		
		CARBON DISULFIDE	10	UG/L	U	V	5	ND
		CARBON DISULFIDE	100	UG/L	U	Z	5	ND
		CARBON TETRACHLORIDE	9	UG/L	J	A	5	1
		CARBON TETRACHLORIDE	100	UG/L	U	Z	5	ND
		CHLOROBENZENE	10	UG/L	U	V		
		CHLOROBENZENE	100	UG/L	U	Z		
		CHLOROETHANE	10	UG/L	U	JA		
		CHLOROETHANE	100	UG/L	U	Z		
		CHLOROFORM	10	UG/L	U	V		
		CHLOROFORM	100	UG/L	U	Z		
		CHLOROMETHANE	10	UG/L	U	JA		
		CHLOROMETHANE	100	UG/L	U	Z		
		CHRYSENE	10	UG/L	U	V		
		DI-n-BUTYL PHTHALATE	10	UG/L	U	V		
		DI-n-OCTYL PHTHALATE	3	UG/L	J	A		
		DIBENZO(a,h)ANTHRACENE	10	UG/L	U	V		
		DIBENZOFURAN	10	UG/L	U	V		
		DIBROMOCHLOROMETHANE	10	UG/L	U	V		
		DIBROMOCHLOROMETHANE	100	UG/L	U	Z		
		DIETHYL PHTHALATE	10	UG/L	U	V		
		DIMETHYL PHTHALATE	10	UG/L	U	V		
		Dodecanoic acid	17	UG/L	BJ	Z		
		ETHYLBENZENE	10	UG/L	U	V		
		ETHYLBENZENE	100	UG/L	U	Z		
		FLUORANTHENE	10	UG/L	U	V		
		FLUORENE	10	UG/L	U	V		
		HEXAChLOROBENZENE	10	UG/L	U	V		
		HEXAChLOROBUTADIENE	10	UG/L	U	V		
		HEXAChLOROCYCLOPENTADIEN	10	UG/L	U	V		
		HEXAChLOROETHANE	10	UG/L	U	V		
		Hexadecanoic Acid	24	UG/L	BJ	Z		
		INDENO(1,2,3-cd)PYRENE	10	UG/L	U	V		
		ISOPHORONE	10	UG/L	U	V		
		METHYLENE CHLORIDE	2	UG/L	J	A	5	0
		METHYLENE CHLORIDE	100	UG/L	U	Z	5	ND
		N-NITROSO-DI-n-PROPYLAMINE	10	UG/L	U	V		
		N-NITROSODIPHENYLAMINE	10	UG/L	U	V		
		NAPHTHALENE	10	UG/L	U	V		
		NITROBENZENE	10	UG/L	U	V		
		NITROBENZENE-D5	64	%REC		Z		
		Octadecanoic Acid	44	UG/L	BJ	Z		
		PENTACHLOROPHENOL	25	UG/L	U	V		
		PHENANTHRENE	10	UG/L	U	V		
		PHENOL	10	UG/L	U	V		

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Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10354RG	9-Jan-95	PHENOL-D5	65	%REC	Z			
		PYRENE	10	UG/L	U	V		
		STYRENE	10	UG/L	U	V		
		STYRENE	100	UG/L	U	Z		
		TERPHENYL-D14	81	%REC	Z			
		TETRACHLOROETHENE	76	UG/L		V	5	1
		TETRACHLOROETHENE	69	UG/L	DJ	Z	5	1
		TIC-Unknown	140	UG/L	BJ	Z		
		TIC-Unknown Adipate	64	UG/L	J	Z		
		TIC-Unknown Phthalate	3	UG/L	J	Z		
		TIC-Unknown Phthalate-1	9	UG/L	J	Z		
		TIC-Unknown Phthalate-2	3	UG/L	J	Z		
		TIC-Unknown Phthalate-3	4	UG/L	J	Z		
		TIC-Unknown Phthalate-4	5	UG/L	J	Z		
		TIC-Unknown Phthalate-5	4	UG/L	J	Z		
		TIC-Unknown Phthalate-6	2	UG/L	J	Z		
		TIC-Unknown-1	5	UG/L	J	Z		
		TIC-Unknown-2	26	UG/L	J	Z		
		TIC-Unknown-3	7	UG/L	BJ	Z		
		TIC-Unknown-4	10	UG/L	J	Z		
		TIC-Unknown-5	3	UG/L	J	Z		
		TIC-Unknown-6	19	UG/L	BJ	Z		
		TIC-Unknown-7	6	UG/L	J	Z		
		TIC-Unknown-8	5	UG/L	J	Z		
		TIC-Unknown-9	2	UG/L	J	Z		
		TOLUENE	10	UG/L	U	V	2000	0
		TOLUENE	100	UG/L	U	Z	2000	0
		TOLUENE - D8	97	%REC	Z			
		TOLUENE - D8	99	%REC	Z			
		TOTAL XYLEMES	10	UG/L	U	V		
		TOTAL XYLEMES	100	UG/L	U	Z		
		TRICHLOROETHENE	600	UG/L	E	Z	5	1
		TRICHLOROETHENE	690	UG/L	D	V	5	1
		Tetrachloroethene	14	UG/L	JN	Z		
		VINYL CHLORIDE	10	UG/L	U	V		
		VINYL CHLORIDE	100	UG/L	U	Z		
		cis-1,3-DICHLOROPROPENE	10	UG/L	U	V		
		cis-1,3-DICHLOROPROPENE	100	UG/L	U	Z		
		o-FLUOROPHENOL	55	%REC	Z			
		p-BROMODIPHENYL ETHER	10	UG/L	U	V		
		trans-1,3-DICHLOROPROPENE	10	UG/L	U	V		
		trans-1,3-DICHLOROPROPENE	100	UG/L	U	Z		
FT10364RG	6-Feb-95	1,1,1-TRICHLOROETHANE	100	UG/L	U	Z	200	0
		1,1,1-TRICHLOROETHANE	7	UG/L	J	A	200	0
		1,1,2,2-TETRACHLOROETHANE	100	UG/L	U	Z		
		1,1,2,2-TETRACHLOROETHANE	10	UG/L	U	V		
		1,1,2-TRICHLOROETHANE	100	UG/L	U	Z	5	NO
		1,1,2-TRICHLOROETHANE	10	UG/L	U	V	5	NO
		1,1-DICHLOROETHANE	100	UG/L	U	Z	5	NO
		1,1-DICHLOROETHANE	10	UG/L	U	V	5	NO
		1,1-DICHLOROETHENE	100	UG/L	U	Z	7	NO
		1,1-DICHLOROETHENE	18	UG/L	V	Z	7	1
		1,2 DICHLOROETHANE -D4	104	%REC	Z			
		1,2 DICHLOROETHANE -D4	98	%REC	Z			
		1,2,4-TRICHLOROBENZENE	10	UG/L	U	V		
		1,2-DICHLOROBENZENE	10	UG/L	U	V		
		1,2-DICHLOROBENZENE-D4	55	%REC	Z			
		1,2-DICHLOROETHANE	100	UG/L	U	Z	5	NO
		1,2-DICHLOROETHANE	10	UG/L	U	V	5	NO
		1,2-DICHLOROETHENE	100	UG/L	U	Z		
		1,2-DICHLOROETHENE	10	UG/L	U	V		

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Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10364RG	6-Feb-95	1,2-DICHLOROPROPANE	100	UG/L	U	Z		
		1,2-DICHLOROPROPANE	10	UG/L	U	V		
		1,3-DICHLOROBENZENE	10	UG/L	U	V		
		1,4-DICHLOROBENZENE	10	UG/L	U	V		
		2,4,5-TRICHLOROPHENOL	26	UG/L	U	V		
		2,4,6-TRIBROMOPHENOL	81	%REC		Z		
		2,4,6-TRICHLOROPHENOL	10	UG/L	U	V		
		2,4-DICHLOROPHENOL	10	UG/L	U	V		
		2,4-DIMETHYLPHENOL	10	UG/L	U	V		
		2,4-DINITROPHENOL	26	UG/L	U	V		
		2,4-DINITROTOLUENE	10	UG/L	U	V		
		2,6-DINITROTOLUENE	10	UG/L	U	V		
		2-BUTANONE	100	UG/L	U	Z		
		2-BUTANONE	10	UG/L	U	V		
		2-CHLORONAPHTHALENE	10	UG/L	U	V		
		2-CHLOROPHENOL	10	UG/L	U	V		
		2-CHLOROPHENOL-D4	61	%REC		Z		
		2-FLUOROBIPHENYL	71	%REC		Z		
		2-HEXANONE	100	UG/L	U	Z		
		2-HEXANONE	10	UG/L	U	V		
		2-METHYLNAPHTHALENE	10	UG/L	U	V		
		2-METHYLPHENOL	10	UG/L	U	V		
		2-NITROANILINE	26	UG/L	U	V		
		2-NITROPHENOL	10	UG/L	U	V		
		3,3'-DICHLOROBENZIDINE	10	UG/L	U	JA		
		3-NITROANILINE	26	UG/L	U	JA		
		4,6-DINITRO-2-METHYLPHENOL	26	UG/L	U	V		
		4-CHLORO-3-METHYLPHENOL	10	UG/L	U	V		
		4-CHLOROANILINE	10	UG/L	U	JA		
		4-CHLOROPHENYL PHENYL ETH	10	UG/L	U	V		
		4-METHYL-2-PENTANONE	100	UG/L	U	Z		
		4-METHYL-2-PENTANONE	10	UG/L	U	V		
		4-METHYLPHENOL	10	UG/L	U	V		
		4-NITROANILINE	26	UG/L	U	JA		
		4-NITROPHENOL	26	UG/L	U	V		
		ACENAPHTHENE	10	UG/L	U	V		
		ACENAPHTHYLENE	10	UG/L	U	V		
		ACETONE	100	UG/L	U	Z	50	ND
		ACETONE	10	UG/L	U	V	50	0
		ANTHRACENE	10	UG/L	U	V		
		BENZENE	100	UG/L	U	Z		
		BENZENE	10	UG/L	U	V		
		BENZO(a)ANTHRACENE	10	UG/L	U	V		
		BENZO(a)PYRENE	10	UG/L	U	V		
		BENZO(b)FLUORANTHENE	10	UG/L	U	V		
		BENZO(ghi)PERYLENE	10	UG/L	U	V		
		BENZO(k)FLUORANTHENE	10	UG/L	U	V		
		BIS(2-CHLOROETHOXY)METHAN	10	UG/L	U	V		
		BIS(2-CHLOROETHYL)ETHER	10	UG/L	U	V		
		BIS(2-CHLOROISOPROPYL)ETHE	10	UG/L	U	V		
		BIS(2-ETHYLHEXYL)PHTHALATE	10	UG/L	U	V		
		BROMODICHLOROMETHANE	100	UG/L	U	Z		
		BROMODICHLOROMETHANE	10	UG/L	U	V		
		BROMOFLUOROBENZENE	104	%REC		Z		
		BROMOFLUOROBENZENE	102	%REC		Z		
		BROMOFORM	100	UG/L	U	Z		
		BROMOFORM	10	UG/L	U	V		
		BROMOMETHANE	100	UG/L	U	Z		
		BROMOMETHANE	10	UG/L	U	V		
		BUTYL BENZYL PHTHALATE	10	UG/L	U	V		
		CARBAZOLE	10	UG/L	U	V		
		CARBON DISULFIDE	100	UG/L	U	Z	5	ND

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FT10364RG	6-Feb-95	CARBON DISULFIDE	10	UG/L	U	V	5	ND
		CARBON TETRACHLORIDE	100	UG/L	U	Z	5	ND
		CARBON TETRACHLORIDE	15	UG/L		V	5	1
		CHLOROBENZENE	100	UG/L	U	Z		
		CHLOROBENZENE	10	UG/L	U	V		
		CHLOROETHANE	100	UG/L	U	Z		
		CHLOROETHANE	10	UG/L	U	V		
		CHLOROFORM	100	UG/L	U	Z		
		CHLOROFORM	10	UG/L	U	V		
		CHLOROMETHANE	100	UG/L	U	Z		
		CHLOROMETHANE	10	UG/L	U	V		
		CHRYSENE	10	UG/L	U	V		
		DI-n-BUTYL PHTHALATE	0.5	UG/L	J	A		
		DI-n-OCTYL PHTHALATE	10	UG/L	U	JA		
		DIBENZO(a,h)ANTHRACENE	10	UG/L	U	V		
		DIBENZOFURAN	10	UG/L	U	V		
		DIBROMOCHLOROMETHANE	100	UG/L	U	Z		
		DIBROMOCHLOROMETHANE	10	UG/L	U	V		
		DIETHYL PHTHALATE	10	UG/L	U	V		
		DIMETHYL PHTHALATE	10	UG/L	U	V		
		ETHANE,1,1,2-TRICHLORO-1,2,2	9	UG/L	J	Z		
		ETHYLBENZENE	100	UG/L	U	Z		
		ETHYLBENZENE	10	UG/L	U	V		
		FLUORANTHENE	10	UG/L	U	JA		
		FLUORENE	10	UG/L	U	V		
		HEXACHLOROBENZENE	10	UG/L	U	V		
		HEXACHLOROBUTADIENE	10	UG/L	U	V		
		HEXACHLOROCYCLOPENTADIEN	10	UG/L	U	JA		
		HEXAChLOROETHANE	10	UG/L	U	V		
		INDENO(1,2,3-cd)PYRENE	10	UG/L	U	V		
		ISOPHORONE	10	UG/L	U	V		
		METHYLENE CHLORIDE	100	UG/L	U	Z	5	ND
		METHYLENE CHLORIDE	10	UG/L	U	V	5	ND
		N-NITROSO-DI-n-PROPYLAMINE	10	UG/L	U	V		
		N-NITROSO-DIPHENYLAMINE	10	UG/L	U	V		
		NAPHTHALENE	10	UG/L	U	V		
		NITROBENZENE	10	UG/L	U	V		
		NITROBENZENE-D5	63 %REC		Z			
		PENTACHLOROPHENOL	26	UG/L	U	JA		
		PHENANTHRENE	10	UG/L	U	V		
		PHENOL	10	UG/L	U	V		
		PHENOL-D5	32 %REC		Z			
		PYRENE	10	UG/L	U	V		
		STYRENE	100	UG/L	U	Z		
		STYRENE	10	UG/L	U	V		
		TERPHENYL-D14	82 %REC		Z			
		TETRACHLOROETHENE	78	UG/L	DJ	Z	5	1
		TETRACHLOROETHENE	83	UG/L		V	5	1
		TOLUENE	100	UG/L	U	Z	2000	0
		TOLUENE	10	UG/L	U	V	2000	0
		TOLUENE - D8	106 %REC		Z			
		TOLUENE - D8	98 %REC		Z			
		TOTAL XYLEMES	100	UG/L	U	Z		
		TOTAL XYLEMES	10	UG/L	U	V		
		TRICHLOROETHENE	750	UG/L	O	V	5	1
		TRICHLOROETHENE	710	UG/L	E	Z	5	1
		VINYL CHLORIDE	100	UG/L	U	Z		
		VINYL CHLORIDE	10	UG/L	U	V		
		cis-1,3-DICHLOROPROPENE	100	UG/L	U	Z		
		cis-1,3-DICHLOROPROPENE	10	UG/L	U	V		
		o-FLUOROPHENOL	56 %REC		Z			
		p-BROMODIPHENYL ETHER	10	UG/L	U	V		

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Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10364RG	6-Feb-95	trans-1,3-DICHLOROPROPENE	100	UG/L	U	Z		
		trans-1,3-DICHLOROPROPENE	10	UG/L	U	V		
FT10380RG	15-Mar-95	1,1,1-TRICHLOROETHANE	100	UG/L	U	Z	200	0
		1,1,1-TRICHLOROETHANE	10	UG/L	U	R	200	0
		1,1,2,2-TETRACHLOROETHANE	100	UG/L	U	Z		
		1,1,2,2-TETRACHLOROETHANE	10	UG/L	U	V		
		1,1,2-TRICHLOROETHANE	100	UG/L	U	Z	5	ND
		1,1,2-TRICHLOROETHANE	10	UG/L	U	V	5	ND
		1,1-DICHLOROETHANE	100	UG/L	U	Z	5	ND
		1,1-DICHLOROETHANE	10	UG/L	U	V	5	ND
		1,1-DICHLOROETHENE	100	UG/L	U	Z	7	ND
		1,1-DICHLOROETHENE	17	UG/L	JA	7		1
		1,2,4-TRICHLOROBENZENE	10	UG/L	U	V		
		1,2-DICHLOROBENZENE	10	UG/L	U	V		
		1,2-DICHLOROBENZENE-D4	52	%REC		Z		
		1,2-DICHLOROETHANE	100	UG/L	U	Z	5	ND
		1,2-DICHLOROETHANE	10	UG/L	U	V	5	ND
		1,2-DICHLOROETHANE-D4 (SURR)	96	%REC		Z		
		1,2-DICHLOROETHANE-D4 (SURR)	114	%REC		Z		
		1,2-DICHLOROETHENE	100	UG/L	U	Z		
		1,2-DICHLOROETHENE	10	UG/L	U	V		
		1,2-DICHLOROPROPANE	100	UG/L	U	Z		
		1,2-DICHLOROPROPANE	10	UG/L	U	V		
		1,3-DICHLOROBENZENE	10	UG/L	U	V		
		1,4-DICHLOROBENZENE	10	UG/L	U	V		
		2,4,5-TRICHLOROPHENOL	25	UG/L	U	V		
		2,4,6-TRIBROMOPHENOL	92	%REC		Z		
		2,4,6-TRICHLOROPHENOL	10	UG/L	U	V		
		2,4-DICHLOROPHENOL	10	UG/L	U	V		
		2,4-DIMETHYLPHENOL	10	UG/L	U	V		
		2,4-DINITROPHENOL	25	UG/L	U	V		
		2,4-DINITROTOLUENE	10	UG/L	U	V		
		2,6-DINITROTOLUENE	10	UG/L	U	V		
		2-BUTANONE	100	UG/L	U	Z		
		2-BUTANONE	10	UG/L	U	V		
		2-CHLORONAPHTHALENE	10	UG/L	U	V		
		2-CHLOROPHENOL	10	UG/L	U	V		
		2-CHLOROPHENOL-D4	73	%REC		Z		
		2-FLUOROBIPHENYL	64	%REC		Z		
		2-HEXANONE	100	UG/L	U	Z		
		2-HEXANONE	10	UG/L	U	V		
		2-METHYLNAPHTHALENE	10	UG/L	U	V		
		2-METHYLPHENOL	10	UG/L	U	V		
		2-NITROANILINE	25	UG/L	U	V		
		2-NITROPHENOL	10	UG/L	U	V		
		3,3'-DICHLOROBENZIDINE	10	UG/L	U	V		
		3-NITROANILINE	25	UG/L	U	V		
		4,6-DINITRO-2-METHYLPHENOL	25	UG/L	U	V		
		4-CHLORO-3-METHYLPHENOL	10	UG/L	U	V		
		4-CHLOROANILINE	10	UG/L	U	V		
		4-CHLOROPHENYL PHENYL ETH	10	UG/L	U	V		
		4-METHYL-2-PENTANONE	100	UG/L	U	Z		
		4-METHYL-2-PENTANONE	10	UG/L	U	V		
		4-METHYLPHENOL	10	UG/L	U	V		
		4-NITROANILINE	25	UG/L	U	V		
		4-NITROPHENOL	25	UG/L	U	V		
		ACENAPHTHENE	10	UG/L	U	V		
		ACENAPHTHYLENE	10	UG/L	U	V		
		ACETONE	100	UG/L	U	Z	50	ND
		ACETONE	17	UG/L	JA	50		0
		ANTHRACENE	10	UG/L	U	V		

881 Collection Well VOA January 1995 - March 1995

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10380RG	15-Mar-95	BENZENE	100	UG/L	U	Z		
		BENZENE	10	UG/L	U	V		
		BENZO(a)ANTHRACENE	10	UG/L	U	V		
		BENZO(a)PYRENE	10	UG/L	U	V		
		BENZO(b)FLUORANTHENE	10	UG/L	U	V		
		BENZO(ghi)PERYLENE	10	UG/L	U	V		
		BENZO(k)FLUORANTHENE	10	UG/L	U	V		
		BIS(2-CHLOROETHOXY)METHAN	10	UG/L	U	V		
		BIS(2-CHLOROETHYL)ETHER	10	UG/L	U	V		
		BIS(2-CHLOROISOPROPYL)ETHE	10	UG/L	U	V		
		BIS(2-ETHYLHEXYL)PHTHALATE	10	UG/L	U	V		
		BROMODICHLOROMETHANE	100	UG/L	U	Z		
		BROMODICHLOROMETHANE	10	UG/L	U	V		
		BROMOFLUOROBENZENE	92	%REC		Z		
		BROMOFLUOROBENZENE	116	%REC	*	Z		
		BROMOFORM	100	UG/L	U	Z		
		BROMOFORM	10	UG/L	U	V		
		BROMOMETHANE	100	UG/L	U	Z		
		BROMOMETHANE	10	UG/L	U	V		
		BUTYL BENZYL PHTHALATE	10	UG/L	U	V		
		CARBAZOLE	10	UG/L	U	V		
		CARBON DISULFIDE	100	UG/L	U	Z	5	NO
		CARBON DISULFIDE	10	UG/L	U	V	5	NO
		CARBON TETRACHLORIDE	100	UG/L	U	Z	5	NO
		CARBON TETRACHLORIDE	15	UG/L	JA	5		1
		CHLOROBENZENE	100	UG/L	U	Z		
		CHLOROBENZENE	10	UG/L	U	V		
		CHLOROETHANE	100	UG/L	U	Z		
		CHLOROETHANE	10	UG/L	U	V		
		CHLOROFORM	100	UG/L	U	Z		
		CHLOROFORM	10	UG/L	U	V		
		CHLOROMETHANE	100	UG/L	U	Z		
		CHLOROMETHANE	10	UG/L	U	V		
		CHRYSENE	10	UG/L	U	V		
		Di-n-BUTYL PHTHALATE	10	UG/L	U	V		
		Di-n-OCTYL PHTHALATE	10	UG/L	U	V		
		DIBENZO(a,h)ANTHRACENE	10	UG/L	U	V		
		DIBENZOFURAN	10	UG/L	U	V		
		DIBROMOCHLOROMETHANE	100	UG/L	U	Z		
		DIBROMOCHLOROMETHANE	10	UG/L	U	V		
		DIETHYL PHTHALATE	10	UG/L	U	V		
		DIMETHYL PHTHALATE	10	UG/L	U	V		
		ETHYLBENZENE	100	UG/L	U	Z		
		ETHYLBENZENE	10	UG/L	U	V		
		FLUORANTHENE	10	UG/L	U	V		
		FLUORENE	10	UG/L	U	V		
		HEXACHLOROBENZENE	10	UG/L	U	V		
		HEXACHLOROBUTADIENE	10	UG/L	U	V		
		HEXACHLOROCYCLOPENTADIEN	10	UG/L	U	JA		
		HEXACHLOROETHANE	10	UG/L	U	V		
		INDENO(1,2,3-cd)PYRENE	10	UG/L	U	V		
		ISOPHORONE	10	UG/L	U	V		
		METHYLENE CHLORIDE	100	UG/L	U	Z	5	NO
		METHYLENE CHLORIDE	10	UG/L	U	V	5	NO
		N-NITROSO-DI-n-PROPYLAMINE	10	UG/L	U	V		
		N-NITROSODIPHENYLAMINE	10	UG/L	U	V		
		NAPHTHALENE	10	UG/L	U	V		
		NITROBENZENE	10	UG/L	U	V		
		NITROBENZENE-OS	66	%REC		Z		
		PENTACHLOROPHENOL	25	UG/L	U	V		
		PHENANTHRENE	10	UG/L	U	V		
		PHENOL	10	UG/L	U	V		

881 Collection Well VOA January 1995 - March 1995

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10380RG	15-Mar-95	PHENOL-D5		64 %REC		Z		
		PYRENE		10 UG/L	U	V		
		STYRENE		100 UG/L	U	Z		
		STYRENE		10 UG/L	U	V		
		TERPHENYL-D14		70 %REC		Z		
		TETRACHLOROETHENE		45 UG/L	DJ	Z	5	1
		TETRACHLOROETHENE		67 UG/L		JA	5	1
		TIC-Ethane,1,1,1-trichloro-		7 UG/L	J	Z		
		TOLUENE		100 UG/L	U	Z	2000	0
		TOLUENE		10 UG/L	U	V	2000	0
		TOLUENE - D8		96 %REC		Z		
		TOLUENE - D8		110 %REC		Z		
		TOTAL XYLEMES		100 UG/L	U	Z		
		TOTAL XYLEMES		10 UG/L	U	V		
		TRICHLOROETHENE		490 UG/L	D	V	5	1
		TRICHLOROETHENE		640 UG/L	E	Z	5	1
		VINYL CHLORIDE		100 UG/L	U	Z		
		VINYL CHLORIDE		10 UG/L	U	V		
		cis-1,3-DICHLOROPROPENE		100 UG/L	U	Z		
		cis-1,3-DICHLOROPROPENE		10 UG/L	U	V		
		o-FLUOROPHENOL		69 %REC		Z		
		p-BROMODIPHENYL ETHER		10 UG/L	U	V		
		trans-1,3-DICHLOROPROPENE		100 UG/L	U	Z		
		trans-1,3-DICHLOROPROPENE		10 UG/L	U	V		

881 Collection Well Rads January - March 1995

Sample Number	Sample Date	Isotope	Result	Unit Meas	Error	Qual	Vqual	ARAR	# SAM > ARAR
FT10354RG	9-Jan-95	AMERICIUM-241	0	PCI/L	0.006	U	V	4	0
		GROSS ALPHA	12	PCI/L	3.6	A	15	0	
		GROSS BETA	7.6	PCI/L	1.9	A	50	0	
		PLUTONIUM-239/240	0.002	PCI/L	0.002	U	V	15	0
		STRONTIUM-89.90	0.017	PCI/L	0.058	U	A	8	0
		TOTAL RADIOCESIUM	0.11	PCI/L	0.12	U	V		
		TRITIUM	-22	PCI/L	160	U	V	20000	0
		URANIUM-233,-234	13	PCI/L	1.6	V			
		URANIUM-235	0.45	PCI/L	0.19	J	V		
		URANIUM-238	9.3	PCI/L	1.2	V			
		TOTAL URANIUM	22.75		2.99			40	0
FT10364RG	6-Feb-95	AMERICIUM-241	0.00024111	PCI/L	0.00609087	V	4	0	
		GROSS ALPHA	12.0496353	PCI/L	8.50612345	C	V	15	0
		GROSS BETA	9.0297331	PCI/L	6.64797328	C	V	50	0
		PLUTONIUM-239/240	0.00279427	PCI/L	0.0031651	V	V	15	0
		RADIUM-226	0.23914234	PCI/L	0.10479902	V			
		STRONTIUM-89.90	0.31906403	PCI/L	0.45223598	JA	8	0	
		TOTAL RADIOCESIUM	0.37877555	PCI/L	0.29123416	V			
		TRITIUM	-106.69608	PCI/L	183.533932	V	V	20000	0
		URANIUM-233,-234	14.9425326	PCI/L	1.94146848	V			
		URANIUM-235	2.09492028	PCI/L	0.68058272	V			
		URANIUM-238	10.2335929	PCI/L	1.56913523	V			
		TOTAL URANIUM	27.2710458		4.19118643			40	0
FT10380RG	15-Mar-95	AMERICIUM-241	0.00510685	PCI/L	0.00867217	Y	4	0	
		GROSS ALPHA	16.5909018	PCI/L	8.55601472	C	V	15	1
		GROSS BETA	3.2517585	PCI/L	6.82785638	C	V	50	0
		PLUTONIUM-239/240	0.00321524	PCI/L	0.00996542	Y	15	0	
		RADIUM-226	0.12331295	PCI/L	0.13875468	V			
		STRONTIUM-89.90	0.03790617	PCI/L	0.21693024	Y	8	0	
		TOTAL RADIOCESIUM	0.22338382	PCI/L	0.33796327	Y			
		TRITIUM	-90.81631	PCI/L	204.851057	Y	V	20000	0
		URANIUM-233,-234	12.8255456	PCI/L	1.13906176	Y			
		URANIUM-235	1.5697467	PCI/L	0.33723824	Y			
		URANIUM-238	9.19550482	PCI/L	0.91784887	Y			
		TOTAL URANIUM	23.5907971		2.39414887			40	0

881 Collection Well Metals January - March 1995

Sample Number	Sample Date	Element	Result	Unit Measure	Qualifier	Vqual	ARAR	# SAM > ARAR
FT10354RG	9-Jan-95	ALUMINUM	35.4	UG/L	B	JA	5000	0
		ANTIMONY	32.7	UG/L	U	V	60	0
		ARSENIC	1.2	UG/L	U	V	50	0
		BARIUM	78.1	UG/L	B	V	1000	0
		BERYLLIUM	0.39	UG/L	U	JA	100	0
		CADMIUM	3.8	UG/L	U	V	10	0
		CALCIUM	178000	UG/L		V		
		CESIUM	30.5	UG/L	U	V		
		CHROMIUM	3.6	UG/L	B	V	50	0
		COBALT	4.1	UG/L	U	V		
		COPPER	24.6	UG/L	U	JA	200	0
		IRON	364	UG/L		V	300	1
		LEAD	0.8	UG/L	U	V	50	0
		LITHIUM	30.2	UG/L	U	JA	2500	0
		MAGNESIUM	40600	UG/L		V		
		MANGANESE	9.1	UG/L	B	V	50	0
		MERCURY	0.18	UG/L	U	JA	2	0
		MOLYBDENUM	9.5	UG/L	U	V	100	0
		NICKEL	28.4	UG/L	B	V	200	0
		POTASSIUM	3450	UG/L	U	JA		
		SELENIUM	592	UG/L		V	10	1
		SILICON	6600	UG/L		V		
		SILVER	3.8	UG/L	U	V	50	0
		SODIUM	145000	UG/L		V		
		STRONTIUM	1250	UG/L		V		
		THALLIUM	1.5	UG/L	U	JA	10	0
		TIN	47	UG/L	U	V		
		VANADIUM	22	UG/L	U	JA	100	0
		ZINC	50.3	UG/L		V	2000	0
FT10364RG	5-Feb-95	ALUMINUM	26	UG/L	U	Z	5000	0
		ANTIMONY	45	UG/L	U	Z	60	0
		ARSENIC	2	UG/L	U	Z	50	0
		BARIUM	67.68	UG/L	B	Z	1000	0
		BERYLLIUM	1	UG/L	U	Z	100	0
		CADMIUM	3	UG/L	U	Z	10	0
		CALCIUM	66509.23	UG/L		Z		
		CESIUM	54	UG/L	B	Z		
		CHROMIUM	3.14	UG/L	B	Z	50	0
		COBALT	7	UG/L	U	Z		
		COPPER	3	UG/L	U	Z	200	0
		IRON	32.52	UG/L	B	Z	300	0
		LEAD	2	UG/L	U	Z	50	0
		LITHIUM	23.61	UG/L	B	Z	2500	0
		MAGNESIUM	35069.17	UG/L		Z		
		MANGANESE	1.56	UG/L	B	Z	50	0
		MERCURY	0.2	UG/L	U	Z	2	0
		MOLYBDENUM	15	UG/L	U	Z	100	0
		NICKEL	12	UG/L	U	Z	200	0
		POTASSIUM	1516.31	UG/L	B	Z		
		SELENIUM	658.68	UG/L		Z	10	1
		SILICON	5922.72	UG/L		Z		
		SILVER	4	UG/L	U	Z	50	0
		SODIUM	31620.11	UG/L		Z		
		STRONTIUM	1187.85	UG/L		Z		
		THALLIUM	3	UG/L	U	Z	10	0
		TIN	24	UG/L	U	Z		
		VANADIUM	5.3	UG/L	B	Z	100	0
		ZINC	9.47	UG/L	B	Z	2000	0
FT10364RG	6-Feb-95	ALUMINUM	26	UG/L	U	V	5000	0
		ANTIMONY	45	UG/L	U	V	60	0
		ARSENIC	2	UG/L	U	V	50	0
		BARIUM	68.1	UG/L	B	V	1000	0
		BERYLLIUM	1	UG/L	U	V	100	0
		CADMIUM	3	UG/L	U	V	10	0

981 Collection Well Metals January - March 1995

Sample Number	Sample Date	Element	Result	Unit Measure	Qualifier	Vqual	ARAR	# SAM > ARAR
FT10364RG	6-Feb-95	CALCIUM	170000	UG/L		V		
		CESIUM	54	UG/L	U	JA		
		CHROMIUM	3	UG/L	U	V	50	0
		COBALT	7	UG/L	U	V		
		COPPER	3	UG/L	U	V	200	0
		IRON	32.7	UG/L	U	JA	300	0
		LEAD	2	UG/L	U	V	50	0
		LITHIUM	24.3	UG/L	B	V	2500	0
		MAGNESIUM	35700	UG/L		V		
		MANGANESE	1.6	UG/L	U	JA	50	0
		MERCURY	0.2	UG/L	U	V	2	0
		MOLYBDENUM	15	UG/L	U	V	100	0
		NICKEL	12	UG/L	U	V	200	0
		POTASSIUM	1170	UG/L	B	V		
		SELENIUM	668	UG/L		V	10	1
		SILICON	5500	UG/L	E	JA		
		SILVER	4	UG/L	U	V	50	0
		SODIUM	133000	UG/L		V		
		STRONTIUM	1200	UG/L		V		
		THALLIUM	3	UG/L	U	V	10	0
		TIN	24	UG/L	U	V		
		VANADIUM	5.9	UG/L	U	JA	100	0
		ZINC	9.7	UG/L	U	JA	2000	0
FT10380RG	15-Mar-95	ALUMINUM	26	UG/L	U	Z	5000	0
		ANTIMONY	2	UG/L	U	Z	60	0
		ARSENIC	2	UG/L	U	Z	50	0
		BARIUM	78.97	UG/L	B	Z	1000	0
		BERYLLIUM	1	UG/L	U	Z	100	0
		CADMUM	3	UG/L	U	Z	10	0
		CALCIUM	84294.99	UG/L		Z		
		CESIUM	22	UG/L	U	Z		
		CHROMIUM	3	UG/L	U	Z	50	0
		COBALT	7	UG/L	U	Z		
		COPPER	3	UG/L	U	Z	200	0
		IRON	40.86	UG/L	B	Z	300	0
		LEAD	2	UG/L	U	Z	50	0
		LITHIUM	25.9	UG/L	B	Z	2500	0
		MAGNESIUM	39771.49	UG/L		Z		
		MANGANESE	1	UG/L	U	Z	50	0
		MERCURY	0.2	UG/L	U	Z	2	0
		MOLYBDENUM	15	UG/L	U	Z	100	0
		NICKEL	12	UG/L	U	Z	200	0
		POTASSIUM	1079.75	UG/L	B	Z		
		SELENIUM	642.44	UG/L		Z	10	1
		SILICON	5472.17	UG/L		Z		
		SILVER	4	UG/L	U	Z	50	0
		SODIUM	42086.42	UG/L		Z		
		STRONTIUM	1332.21	UG/L		Z		
		THALLIUM	3	UG/L	U	Z	10	0
		TIN	36.74	UG/L	B	Z		
		VANADIUM	3.8	UG/L	B	Z	100	0
		ZINC	8.26	UG/L	B	Z	2000	0
FT10380RG	15-Mar-95	ALUMINUM	26	UG/L	U	V	5000	0
		ANTIMONY	2	UG/L	U	V	60	0
		ARSENIC	2	UG/L	U	V	50	0
		BARIUM	76	UG/L	B	V	1000	0
		BERYLLIUM	1	UG/L	U	V	100	0
		CADMUM	3	UG/L	U	V	10	0
		CALCIUM	180000	UG/L		V		
		CESIUM	22	UG/L	U	V		
		CHROMIUM	3	UG/L	U	V	50	0
		COBALT	7	UG/L	U	V		
		COPPER	3	UG/L	U	V	200	0
		IRON	40.2	UG/L	U	JA	300	0
		LEAD	2	UG/L	U	V	50	0

881 Collection Well Metals January - March 1995

Sample Number FT10380RG	Sample Date 15-Mar-95	Element	Result	Unit Measure	Qualifier	Vqual	ARAR	# SAM > ARAR
		LITHIUM	25.4	UG/L	B	V	2500	0
		MAGNESIUM	38700	UG/L		V		
		MANGANESE	1	UG/L	U	V	50	0
		MERCURY	0.2	UG/L	U	V	2	0
		MOLYBDENUM	15.9	UG/L	B	V	100	0
		NICKEL	12	UG/L	U	V	200	0
		POTASSIUM	776	UG/L	B	V		
		SELENIUM	627	UG/L		V	10	1
		SILICON	5320	UG/L		V		
		SILVER	4	UG/L	U	V	50	0
		SODIUM	137000	UG/L		V		
		STRONTIUM	1290	UG/L		V		
		THALLIUM	3	UG/L	U	V	10	0
		TIN	24	UG/L	U	V		
		VANADIUM	3	UG/L	U	V	100	0
		ZINC	7.7	UG/L	U	JA	2000	0

881 Collection Well Water Quality January - March 1995

Sample Number	Sample Date	Compound	Result	Unit Mass	Qual	Vqual	ARAR	# SAM > ARAR
FT10354RG	9-Jan-95	4,4'-DDO		0.1 UG/L	U	V		
		4,4'-DOE		0.1 UG/L	U	V		
		4,4'-DOT		0.1 UG/L	U	V		
		ALDRIN		0.05 UG/L	U	V		
		AROCLOR-1016		1 UG/L	U	V		
		AROCLOR-1221		2 UG/L	U	V		
		AROCLOR-1232		1 UG/L	U	V		
		AROCLOR-1242		1 UG/L	U	V		
		AROCLOR-1248		1 UG/L	U	V		
		AROCLOR-1254		1 UG/L	U	V		
		AROCLOR-1260		1 UG/L	U	V		
		BICARBONATE AS CACO ₃		323 MG/L		V		
		CARBONATE AS CACO ₃		10 MG/L	U	V		
		CHLORIDE		189 MG/L	V		250	0
		DCB-1		146 %REC		Z		
		DCB-2		144 %REC		Z		
		DIELDRIN		0.1 UG/L	U	V		
		ENDOSULFAN I		0.05 UG/L	U	V		
		ENDOSULFAN II		0.1 UG/L	U	V		
		ENDOSULFAN SULFATE		0.1 UG/L	U	V		
		ENDRIN		0.1 UG/L	U	V		
		ENDRIN ALDEHYDE		0.1 UG/L	U	V		
		ENDRIN KETONE		0.1 UG/L	U	V		
		FLUORIDE		2.31 MG/L		V		
		HEPTACHLOR		0.05 UG/L	U	V		
		HEPTACHLOR EPOXIDE		0.05 UG/L	U	V		
		METHOXYCHLOR		0.5 UG/L	U	JA		
		NITRATE/NITRITE		7.05 MG/L	V		10	0
		SULFATE		243 MG/L	V		250	0
		TCMX-1		128 %REC		Z		
		TCMX-2		104 %REC		Z		
		TOTAL DISSOLVED SOLIDS		1080 MG/L	V		400	1
		TOTAL SUSPENDED SOLIDS		5 MG/L	U	V		
		TOXAPHENE		5 UG/L	U	V		
		alpha-BHC		0.05 UG/L	U	V		
		alpha-CHLORDANE		0.05 UG/L	U	V		
		beta-BHC		0.05 UG/L	U	V		
		delta-BHC		0.05 UG/L	U	V		
		gamma-BHC (LINDANE)		0.05 UG/L	U	V		
		gamma-CHLORDANE		0.05 UG/L	U	V		
FT10364RG	6-Feb-95	4,4'-DDO		0.1 UG/L	U	V		
		4,4'-DOE		0.1 UG/L	U	V		
		4,4'-DOT		0.1 UG/L	U	V		
		ALDRIN		0.051 UG/L	U	V		
		AROCLOR-1016		1 UG/L	U	V		
		AROCLOR-1221		2 UG/L	U	V		
		AROCLOR-1232		1 UG/L	U	V		
		AROCLOR-1242		1 UG/L	U	V		
		AROCLOR-1248		1 UG/L	U	V		
		AROCLOR-1254		1 UG/L	U	V		
		AROCLOR-1260		1 UG/L	U	V		
		BICARBONATE AS CACO ₃		342.804 MG/L		V		
		CARBONATE AS CACO ₃		1.767 MG/L	B	V		
		CHLORIDE		192.027 MG/L	V		250	0
		DECACHLOROBIPHENYL		82 %REC		Z		
		DIELDRIN		0.1 UG/L	U	V		
		ENDOSULFAN I		0.051 UG/L	U	V		
		ENDOSULFAN II		0.1 UG/L	U	V		
		ENDOSULFAN SULFATE		0.1 UG/L	U	V		
		ENDRIN		0.1 UG/L	U	V		
		ENDRIN ALDEHYDE		0.1 UG/L	U	V		
		ENDRIN KETONE		0.1 UG/L	U	V		
		FLUORIDE		1.509 MG/L		V		
		HEPTACHLOR		0.051 UG/L	U	V		
		HEPTACHLOR EPOXIDE		0.051 UG/L	U	V		

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Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10364RG	6-Feb-95	METHOXYCHLOR	0.51	UG/L	U	V		
		NITRATE/NITRITE	1.505	MG/L		V	10	0
		SULFATE	240.498	MG/L		V	250	0
		TETRACHLORO-M-XYLENE, TCMX (SURR)	77	%REC		Z		
		TOTAL DISSOLVED SOLIDS	1093	MG/L		V	400	1
		TOTAL SUSPENDED SOLIDS	5	MG/L	U	V		
		TOXAPHENE	5.1	UG/L	U	V		
		alpha-BHC	0.051	UG/L	U	V		
		alpha-CHLORDANE	0.051	UG/L	U	V		
		beta-BHC	0.051	UG/L	U	V		
		delta-BHC	0.051	UG/L	U	V		
		gamma-BHC (LINDANE)	0.051	UG/L	U	V		
		gamma-CHLORDANE	0.051	UG/L	U	V		
		pH	7.69	PH		V		
FT10380RG	15-Mar-95	4,4'-DDO	0.1	UG/L	U	JA		
		4,4'-OOE	0.025	UG/L	J	A		
		4,4'-DDT	0.1	UG/L	U	JA		
		ALDRIN	0.05	UG/L	U	JA		
		AROCLOL-1016	1	UG/L	U	JA		
		AROCLOL-1221	2	UG/L	U	JA		
		AROCLOL-1232	1	UG/L	U	JA		
		AROCLOL-1242	1	UG/L	U	JA		
		AROCLOL-1248	1	UG/L	U	JA		
		AROCLOL-1254	1	UG/L	U	JA		
		AROCLOL-1260	1	UG/L	U	JA		
		BICARBONATE AS CACO ₃	319.009	MG/L		V		
		CARBONATE AS CAGO ₃	10	MG/L	U	V		
		CHLORIDE	195.903	MG/L		V	250	0
		DECACHLOROBIPHENYL	75	%REC		Z		
		DIELDRIN	0.1	UG/L	U	JA		
		ENDOSULFAN I	0.05	UG/L	U	JA		
		ENDOSULFAN II	0.1	UG/L	U	JA		
		ENDOSULFAN SULFATE	0.1	UG/L	U	JA		
		ENDRIN	0.1	UG/L	U	JA		
		ENDRIN ALDEHYDE	0.1	UG/L	U	JA		
		ENDRIN KETONE	0.1	UG/L	U	JA		
		FLUORIDE	1.438	MG/L		V		
		HEPTACHLOR	0.05	UG/L	U	JA		
		HEPTACHLOR EPOXIDE	0.05	UG/L	U	JA		
		METHOXYCHLOR	0.5	UG/L	U	JA		
		NITRATE/NITRITE	7.32	MG/L		V	10	0
		SULFATE	242.868	MG/L		V	250	0
		TETRACHLORO-M-XYLENE, TCMX (SURR)	55	%REC		Z		
		TOTAL DISSOLVED SOLIDS	1085	MG/L		V	400	1
		TOTAL SUSPENDED SOLIDS	5	MG/L	U	V		
		TOXAPHENE	5	UG/L	U	JA		
		alpha-BHC	0.05	UG/L	U	JA		
		alpha-CHLORDANE	0.05	UG/L	U	JA		
		beta-BHC	0.05	UG/L	U	JA		
		delta-BHC	0.05	UG/L	U	JA		
		gamma-BHC (LINDANE)	0.05	UG/L	U	JA		
		gamma-CHLORDANE	0.05	UG/L	U	JA		
		pH	7.93	PH		JA		

Appendix C
Process Data
January through March 1995

Sample Number	Sample Date	Compound	Result	Unit Mass	Qud	Voval	ARAR	# SAM > ARAR
FT10356RG	17-Jan-85	1,1,1-TRICHLOROETHANE	10 UGL	U	V		200	0
		1,1,2,2-TETRACHLOROETHANE	10 UGL	U	V			
		1,1,2-TRICHLOROETHANE	10 UGL	U	V		5	ND
		1,1-DICHLOROETHANE	10 UGL	U	V		5	ND
		1,1-DICHLOROETHENE	10 UGL	U	V		7	ND
		1,2-DICHLOROETHANE -D4	98 %REC		Z			
		1,2-DICHLOROETHANE	10 UGL	U	V		5	ND
		1,2-DICHLOROETHENE	10 UGL	U	V			
		1,2-DICHLOROPROPANE	10 UGL	U	V			
		2-BUTANONE	10 UGL	U	JA			
		2-HEXANONE	10 UGL	U	JA			
		4-METHYL-2-PENTANONE	10 UGL	U	V			
		ACETONE	10 UGL	U	JA		50	0
		BENZENE	10 UGL	U	V			
		BROMODICHLOROMETHANE	10 UGL	U	V			
		BROMOFLUOROBENZENE	98 %REC		Z			
		BROMOFORM	10 UGL	U	V			
		BROMOMETHANE	10 UGL	U	V			
		CARBON DISULFIDE	10 UGL	U	V		5	ND
		CARBON TETRACHLORIDE	10 UGL	U	V		5	ND
		CHLOROBENZENE	10 UGL	U	V			
		CHLOROETHANE	10 UGL	U	V			
		CHLOROFORM	10 UGL	U	V			
		CHLOROMETHANE	10 UGL	U	V			
		DIBROMOCHLOROMETHANE	10 UGL	U	V			
		ETHYLBENZENE	10 UGL	U	V			
		METHYLENE CHLORIDE	10 UGL	U	V		5	ND
		STYRENE	10 UGL	U	V			
		TETRACHLOROETHENE	7 UGL	J	A		5	1
		TOLUENE	10 UGL	U	V		2000	0
		TOLUENE -D4	106 %REC		Z			
		TOTAL XYLENS	10 UGL	U	V			
		TRICHLOROETHENE	65 UGL		V		5	1
		VINYL CHLORIDE	10 UGL	U	V			
		cis-1,3-DICHLOROPROPENE	10 UGL	U	V			
		trans-1,3-DICHLOROPROPENE	10 UGL	U	V			
14-Feb-85 Extreme cold weather. influent sample arrived frozen and vial broken - therefore no sample data								
FT10373RG	8-17-85	1,1,1-TRICHLOROETHANE	10 UGL	U	V		200	0
		1,1,2,2-TETRACHLOROETHANE	10 UGL	U	V			
		1,1,2-TRICHLOROETHANE	10 UGL	U	V		5	ND
		1,1-DICHLOROETHANE	10 UGL	U	V		5	ND
		1,1-DICHLOROETHENE	10 UGL	U	V		7	ND
		1,2-DICHLOROETHANE -D4	92 %REC		Z			
		1,2-DICHLOROETHANE	10 UGL	U	V		5	ND
		1,2-DICHLOROETHENE	10 UGL	U	V			
		1,2-DICHLOROPROPANE	10 UGL	U	V			
		2-BUTANONE	10 UGL	U	V			
		2-HEXANONE	10 UGL	U	V			
		4-METHYL-2-PENTANONE	10 UGL	U	V			
		ACETONE	28 UGL	U	V		50	0
		BENZENE	10 UGL	U	V			
		BROMODICHLOROMETHANE	10 UGL	U	V			
		BROMOFLUOROBENZENE	68 %REC		Z			
		Bromoform	10 UGL	U	V			
		BROMOMETHANE	10 UGL	U	V			
		CARBON DISULFIDE	10 UGL	U	V		5	ND
		CARBON TETRACHLORIDE	10 UGL	U	V		5	ND
		CHLOROBENZENE	10 UGL	U	V			
		CHLOROETHANE	10 UGL	U	V			
		CHLOROFORM	10 UGL	U	V			
		CHLOROMETHANE	10 UGL	U	V			
		DIBROMOCHLOROMETHANE	10 UGL	U	V			
		ETHYLBENZENE	10 UGL	U	V			
		METHYLENE CHLORIDE	10 UGL	U	V		5	ND

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UV Influent

Sample Number FT10373RG	Sample Date 8-Mar-95	Compound	Result	Unit Mass	Qual	Vquest	ARAR	# SAM > ARAR
		STYRENE		10 UG/L	U	V		
		TETRACHLOROETHENE		10 UG/L	U	V	5	ND
		TOLUENE		10 UG/L	U	V	2000	0
		TOLUENE - D8		96 %REC		Z		
		TOTAL XYLEMES		10 UG/L	U	V		
		TRICHLOROETHENE		20 UG/L		V	5	1
		VINYL CHLORIDE		10 UG/L	U	V		
		cis-1,3-DICHLOROPROPENE		10 UG/L	U	V		
		trans-1,3-DICHLOROPROPENE		10 UG/L	U	V		

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Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10357RG	17-Jan-95	1,1,1-TRICHLOROETHANE	10	UG/L	U	V	200	0
		1,1,2,2-TETRACHLOROETHANE	10	UG/L	U	V		
		1,1,2-TRICHLOROETHANE	10	UG/L	U	V	5	ND
		1,1-DICHLOROETHANE	10	UG/L	U	V	5	ND
		1,1-DICHLOROETHENE	10	UG/L	U	V	7	ND
		1,2 DICHLOROETHANE -D4	98	%REC		Z		
		1,2-DICHLOROETHANE	10	UG/L	U	V	5	ND
		1,2-DICHLOROETHENE	10	UG/L	U	V		
		1,2-DICHLOROPROPANE	10	UG/L	U	V		
		2-BUTANONE	10	UG/L	U	JA		
		2-HEXANONE	10	UG/L	U	JA		
		4-METHYL-2-PENTANONE	10	UG/L	U	V		
		ACETONE	19	UG/L		JA	50	0
		BENZENE	10	UG/L	U	V		
		BROMODICHLOROMETHANE	10	UG/L	U	V		
		BROMOFLUOROBENZENE	102	%REC		Z		
		BROMOFORM	10	UG/L	U	V		
		BROMOMETHANE	10	UG/L	U	V		
		CARBON DISULFIDE	10	UG/L	U	V	5	ND
		CARBON TETRACHLORIDE	10	UG/L	U	V	5	ND
		CHLOROBENZENE	10	UG/L	U	V		
		CHLOROETHANE	10	UG/L	U	V		
		CHLOROFORM	10	UG/L	U	V		
		CHLOROMETHANE	10	UG/L	U	V		
		DIBROMOCHLOROMETHANE	10	UG/L	U	V		
		ETHYLBENZENE	10	UG/L	U	V		
		METHYLENE CHLORIDE	10	UG/L	U	V	5	ND
		STYRENE	10	UG/L	U	V		
		TETRACHLOROETHENE	10	UG/L	U	V	5	ND
		TOLUENE	10	UG/L	U	V	2000	0
		TOLUENE - D8	102	%REC		Z		
FT10367RG	14-Feb-95	TOTAL XYLEMES	10	UG/L	U	V		
		TRICHLOROETHANE	10	UG/L	U	V	5	ND
		VINYL CHLORIDE	10	UG/L	U	V		
		cis-1,3-DICHLOROPROPENE	10	UG/L	U	V		
		trans-1,3-DICHLOROPROPENE	10	UG/L	U	V		
		1,1,1-TRICHLOROETHANE	10	UG/L	U	V	200	0
		1,1,2,2-TETRACHLOROETHANE	10	UG/L	U	V		
		1,1,2-TRICHLOROETHANE	10	UG/L	U	V	5	ND
		1,1-DICHLOROETHANE	10	UG/L	U	V	5	ND
		1,1-DICHLOROETHENE	10	UG/L	U	V	7	ND
		1,2 DICHLOROETHANE -D4	110	%REC		Z		
		1,2-DICHLOROETHANE	10	UG/L	U	V	5	ND
		1,2-DICHLOROETHENE	10	UG/L	U	V		
		1,2-DICHLOROPROPANE	10	UG/L	U	V		
		2-BUTANONE	10	UG/L	U	V		
		2-HEXANONE	10	UG/L	U	V		
		4-METHYL-2-PENTANONE	10	UG/L	U	V		
		ACETONE	20	UG/L	U	V	50	0
		BENZENE	10	UG/L	U	V		
		BROMODICHLOROMETHANE	10	UG/L	U	V		
		BROMOFLUOROBENZENE	110	%REC		Z		
		BROMOFORM	10	UG/L	U	V		
		BROMOMETHANE	10	UG/L	U	V		
		CARBON DISULFIDE	10	UG/L	U	V	5	ND
		CARBON TETRACHLORIDE	10	UG/L	U	V	5	ND
		CHLOROBENZENE	10	UG/L	U	V		
		CHLOROETHANE	10	UG/L	U	V		
		CHLOROFORM	10	UG/L	U	V		
		CHLOROMETHANE	10	UG/L	U	V		
		DIBROMOCHLOROMETHANE	10	UG/L	U	V		
		ETHYLBENZENE	10	UG/L	U	V		
		METHYLENE CHLORIDE	10	UG/L	U	V	5	ND
		STYRENE	10	UG/L	U	V		
		TETRACHLOROETHENE	10	UG/L	U	V	5	ND
		TOLUENE	10	UG/L	U	V	2000	0

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Sample Number	Sample Date	Compound	Result	Unit Mass	Qual	Vqual	ARAR	# SAM > ARAR
FT10367RG	14-Feb-95	TOLUENE - D8	108 %REC		Z			
		TOTAL XYLENES	10 UG/L		U	V		
		TRICHLOROETHENE	10 UG/L		U	V	5	ND
		VINYL CHLORIDE	10 UG/L		U	V		
		cis-1,3-DICHLOROPROPENE	10 UG/L		U	V		
		trans-1,3-DICHLOROPROPENE	10 UG/L		U	V		
FT10374RG	8-Mar-95	1,1,1-TRICHLOROETHANE	10 UG/L		U	V	200	0
		1,1,2,2-TETRACHLOROETHANE	10 UG/L		U	V		
		1,1,2-TRICHLOROETHANE	10 UG/L		U	V	5	ND
		1,1-DICHLOROETHANE	10 UG/L		U	V	5	ND
		1,1-DICHLOROETHENE	10 UG/L		U	V	7	ND
		1,2 DICHLOROETHANE -D4	94 %REC		Z			
		1,2-DICHLOROETHANE	10 UG/L		U	V	5	ND
		1,2-DICHLOROETHENE	10 UG/L		U	V		
		1,2-DICHLOROPROPANE	10 UG/L		U	V		
		2-BUTANONE	10 UG/L		U	V		
		2-HEXANONE	10 UG/L		U	V		
		4-METHYL-2-PENTANONE	10 UG/L		U	V		
		ACETONE	110 UG/L		B	V	50	1
		BENZENE	10 UG/L		U	V		
		BROMODICHLOROMETHANE	10 UG/L		U	V		
		BROMOFLUOROBENZENE	92 %REC		Z			
		BROMOFORM	10 UG/L		U	V		
		BROMOMETHANE	10 UG/L		U	V		
		CARBON DISULFIDE	10 UG/L		U	V	5	ND
		CARBON TETRACHLORIDE	10 UG/L		U	V	5	ND
		CHLOROBENZENE	10 UG/L		U	V		
		CHLOROETHANE	10 UG/L		U	V		
		CHLOROFORM	10 UG/L		U	V		
		CHLOROMETHANE	10 UG/L		U	V		
		DIBROMOCHLOROMETHANE	10 UG/L		U	V		
		ETHYLBENZENE	10 UG/L		U	V		
		METHYLENE CHLORIDE	10 UG/L		U	V	5	ND
		STYRENE	10 UG/L		U	V		
		TETRACHLOROETHENE	10 UG/L		U	V	5	ND
		TOLUENE	10 UG/L		U	V	2000	0
		TOLUENE - D8	100 %REC		Z			
		TOTAL XYLENES	10 UG/L		U	V		
		TRICHLOROETHENE	10 UG/L		U	V	5	ND
		VINYL CHLORIDE	10 UG/L		U	V		
		cis-1,3-DICHLOROPROPENE	10 UG/L		U	V		
		trans-1,3-DICHLOROPROPENE	10 UG/L		U	V		

UV Influent Rads January through March 1995

Sample Number	Sample Date	Isotope	Result Unit Meas	Error Qual	Vqual	ARAR	# SAM	> ARAR
FT10356RG	17-Jan-95	AMERICIUM-241	-0.002 PCI/L	0.007 U	V	4	0	
		GROSS ALPHA	5.9 PCI/L	1.9	A	15	0	
		GROSS BETA	6.8 PCI/L	1.2	A	50	0	
		PLUTONIUM-239/240	-0.002 PCI/L	0.005 U	V	15	0	
		STRONTIUM-89.90	0.002 PCI/L	0.099 U	A	8	0	
		TOTAL RADIOCESIUM	0.14 PCI/L	0.12 U	V			
		TRITIUM	240 PCI/L	170 U	V	20000	0	
		URANIUM-233,-234	7 PCI/L	0.56	V			
		URANIUM-235	0.28 PCI/L	0.095 J	V			
		URANIUM-238	4.8 PCI/L	0.43	V			
FT10366RG	14-Feb-95	AMERICIUM-241	-0.0030396 PCI/L	0.01214703 Y	V	4	0	
		GROSS ALPHA	7.59834775 PCI/L	4.86089888 C	V	15	0	
		GROSS BETA	6.51644765 PCI/L	3.79474998 C	V	50	0	
		PLUTONIUM-239/240	0.00120075 PCI/L	0.00235424	V	15	0	
		RADIUM-226	0.37219382 PCI/L	0.114307	V			
		STRONTIUM-89.90	-0.1254335 PCI/L	0.31279453	V	8	0	
		TOTAL RADIOCESIUM	0.36029329 PCI/L	0.29918205	V			
		TRITIUM	-2.2640889 PCI/L	198.063614	V	20000	0	
		URANIUM-233,-234	6.25000125 PCI/L	1.02662713	V			
		URANIUM-235	0.33730159 PCI/L	0.235017	V			
		URANIUM-238	5.29100529 PCI/L	0.93876317	V			
FT10373RG	8-Mar-95	AMERICIUM-241	0.00895768 PCI/L	0.00828859	Y	4	0	
		GROSS ALPHA	7.09717365 PCI/L	3.44336523 C	Y	15	0	
		GROSS BETA	5.65933253 PCI/L	2.19632731	Y	50	0	
		PLUTONIUM-239/240	0.00916238 PCI/L	0.01100668	Y	15	0	
		RADIUM-226	0.20206972 PCI/L	0.14755574	V			
		STRONTIUM-89.90	0 PCI/L	0.20808133	Y	8	0	
		TOTAL RADIOCESIUM	0.66894254 PCI/L	0.35526658	Y			
		TRITIUM	-148.58509 PCI/L	194.470923	Y	20000	0	
		TRITIUM	46.9305161 PCI/L	216.390725	Y			
		URANIUM-233,-234	3.41451014 PCI/L	0.50666609	Y			
		URANIUM-235	0.35762943 PCI/L	0.15933585	Y			
		URANIUM-238	3.61886921 PCI/L	0.5231381	Y			

UV Influent Metals January 1995 through March 1995

Sample Number	Sample Date	Element	Result	Unit Meas	Qualifier	V qual	ARAR	# SAM > ARAR
FT10356RG	17-Jan-95	ALUMINUM	39.05	UG/L	B	Z	5000	0
		ALUMINUM	26	UG/L	U	V	5000	0
		ANTIMONY	10	UG/L	UW	V	60	0
		ANTIMONY	10	UG/L	U	Z	60	0
		ARSENIC	12.6	UG/L		V	50	0
		ARSENIC	14.4	UG/L		Z	50	0
		BARIUM	149.55	UG/L	B	Z	1000	0
		BARIUM	147	UG/L	B	V	1000	0
		BERYLLIUM	1	UG/L	U	Z	100	0
		BERYLLIUM	1	UG/L	U	V	100	0
		CADMIUM	3	UG/L	U	Z	10	0
		CADMIUM	3	UG/L	U	V	10	0
		CALCIUM	90393.73	UG/L		Z		
		CALCIUM	93600	UG/L		V		
		CESIUM	22	UG/L	U	Z	50	0
		CESIUM	22	UG/L	U	V	50	0
		CHROMIUM	3.87	UG/L	B	Z	50	0
		CHROMIUM	3.1	UG/L	U	JA	50	0
		COBALT	7	UG/L	U	Z		
		COBALT	7	UG/L	U	V		
		COPPER	6.68	UG/L	B	Z	200	0
		COPPER	7.4	UG/L	B	V	200	0
		IRON	9.77	UG/L	B	Z	300	0
		IRON	6.3	UG/L	U	JA	300	0
		LEAD	2	UG/L	U	Z	50	0
		LEAD	2	UG/L	U	V	50	0
		LITHIUM	21.86	UG/L	B	Z	2500	0
		LITHIUM	22.2	UG/L	B	V	2500	0
		MAGNESIUM	25866.56	UG/L		Z		
		MAGNESIUM	26100	UG/L		V		
		MANGANESE	1	UG/L	U	Z	50	0
		MANGANESE	1	UG/L	U	V	50	0
		MERCURY	0.2	UG/L	U	Z	2	0
		MERCURY	0.2	UG/L	U	V	2	0
		MOLYBDENUM	15	UG/L	U	Z	100	0
		MOLYBDENUM	15	UG/L	U	V	100	0
		NICKEL	12.46	UG/L	B	Z	200	0
		NICKEL	12	UG/L	U	V	200	0
		POTASSIUM	3050	UG/L	B	Z		
		POTASSIUM	2850	UG/L	B	V		
		SELENIUM	109.525	UG/L		Z	10	1
		SELENIUM	111	UG/L	S	V	10	1
		SILICON	6052	UG/L		Z		
		SILICON	6190	UG/L		V		
		SILVER	6.72	UG/L	B	Z	50	0
		SILVER	4	UG/L	U	V	50	0
		SODIUM	88186.92	UG/L		Z		
		SODIUM	87800	UG/L		V		
		STRONTIUM	789.68	UG/L		Z		
		STRONTIUM	791	UG/L		V		
		THALLIUM	4	UG/L	U	Z	10	0
		THALLIUM	4	UG/L	U	V	10	0
		TIN	24	UG/L	U	Z		
		TIN	24	UG/L	U	V		
		VANADIUM	4.23	UG/L	B	Z	100	0
		VANADIUM	3	UG/L	U	V	100	0
		ZINC	55.07	UG/L		Z	2000	0
		ZINC	58.1	UG/L		V	2000	0

UV Influent Metals January 1995 through March 1995

Sample Number	Sample Date	Element	Result	Unit Meas	Qualifier	Vqual	ARAR	# SAM > ARAR
FT10366RG	14-Feb-95	ALUMINUM	26	UG/L	U	Y	5000	0
		ALUMINUM	26	UG/L	U	Y	5000	0
		ANTIMONY	45	UG/L	U	Y	60	0
		ANTIMONY	45	UG/L	U	Y	60	0
		ARSENIC	6.5	UG/L	B	Y	50	0
		ARSENIC	6.9	UG/L	B	Y	50	0
		BARIUM	149.11	UG/L	B	Y	1000	0
		BARIUM	151	UG/L	B	Y	1000	0
		BERYLLIUM	1	UG/L	U	Y	100	0
		BERYLLIUM	1	UG/L	U	Y	100	0
		CADMIUM	3	UG/L	U	Y	10	0
		CADMIUM	3	UG/L	U	Y	10	0
		CALCIUM	91424.74	UG/L		Y		
		CALCIUM	92600	UG/L		Y		
		CHROMIUM	4.82	UG/L	B	Y	50	0
		CHROMIUM	7.2	UG/L	B	Y	50	0
		COBALT	7	UG/L	U	Y	50	0
		COBALT	7	UG/L	U	Y	50	0
		COPPER	5.36	UG/L	B	Y	200	0
		COPPER	5.1	UG/L	B	Y	200	0
		IRON	10.68	UG/L	B	Y	300	0
		IRON	22.7	UG/L	B	Y	300	0
		LEAD	2	UG/L	U	Y	50	0
		LEAD	2	UG/L	U	Y	50	0
		LITHIUM	16.78	UG/L	B	Y	2500	0
		LITHIUM	16.4	UG/L	B	Y	2500	0
		MAGNESIUM	26115.34	UG/L		Y		
		MAGNESIUM	26200	UG/L		Y		
		MANGANESE	1	UG/L	U	Y	50	0
		MANGANESE	1	UG/L	U	Y	50	0
		MERCURY	0.2	UG/L	U	Y	2	0
		MERCURY	0.2	UG/L	U	Y	2	0
		MOLYBDENUM	2	UG/L	U	Y	100	0
		MOLYBDENUM	2	UG/L	U	Y	100	0
		NICKEL	12	UG/L	U	Y	200	0
		NICKEL	12	UG/L	U	Y	200	0
		POTASSIUM	1981.79	UG/L	B	Y		
		POTASSIUM	2030	UG/L	B	Y		
		SELENIUM	34.6	UG/L		Y	10	1
		SELENIUM	37.5	UG/L	N	Y	10	1
		SILICON	6369.12	UG/L		Y		
		SILICON	6040	UG/L	E	Y		
		SILVER	4	UG/L	U	Y	50	0
		SILVER	4	UG/L	U	Y	50	0
		SODIUM	78663.29	UG/L		Y		
		SODIUM	79500	UG/L		Y		
		STRONTIUM	798.09	UG/L		Y		
		STRONTIUM	808	UG/L		Y		
		THALLIUM	4	UG/L	U	Y	10	0
		THALLIUM	4	UG/L	U	Y	10	0
		TIN	2	UG/L	U	Y		
		TIN	2	UG/L	U	Y		
		VANADIUM	3.04	UG/L	B	Y	100	0
		VANADIUM	3.1	UG/L	B	Y	100	0
		ZINC	46.62	UG/L		Y	2000	0
		ZINC	55.2	UG/L		Y	2000	0

UV Influent Metals January 1995 through March 1995

Sample Number	Sample Date	Element	Result	Unit Meas	Qualifier	Vqual	ARAR	# SAM > ARAR
FT10373RG	8-Mar-95	ALUMINUM	26	UG/L	U	Z	5000	0
		ALUMINUM	26	UG/L	U	V	5000	0
		ANTIMONY	4.13	UG/L	B	Z	60	0
		ANTIMONY	3.4	UG/L	B	JA	60	0
		ARSENIC	8.1	UG/L	B	Z	50	0
		ARSENIC	7.2	UG/L	B	V	50	0
		BARIUM	124	UG/L	B	Z	1000	0
		BARIUM	123	UG/L	B	V	1000	0
		BERYLLIUM	1	UG/L	U	Z	100	0
		BERYLLIUM	1	UG/L	U	V	100	0
		CADMIUM	3	UG/L	U	Z	10	0
		CADMIUM	3	UG/L	U	V	10	0
		CALCIUM	80300	UG/L		Z		
		CALCIUM	80000	UG/L	E	JA		
		CESIUM	22	UG/L	U	Z		
		CESIUM	22	UG/L	U	V		
		CHROMIUM	3	UG/L	U	Z	50	0
		CHROMIUM	3	UG/L	U	V	50	0
		COBALT	7	UG/L	U	Z	50	0
		COBALT	7	UG/L	U	V	50	0
		COPPER	8.5	UG/L	B	Z	200	0
		COPPER	8	UG/L	B	JA	200	0
		IRON	39.8	UG/L	B	Z	300	0
		IRON	41.2	UG/L	U	JA	300	0
		LEAD	2	UG/L	U	Z	50	0
		LEAD	2	UG/L	U	JA	50	0
		LITHIUM	19.3	UG/L	B	Z	2500	0
		LITHIUM	19.9	UG/L	B	V	2500	0
		MAGNESIUM	20900	UG/L		Z		
		MAGNESIUM	20600	UG/L		V		
		MANGANESE	2.31	UG/L	B	Z	50	0
		MANGANESE	2.4	UG/L	U	JA	50	0
		MERCURY	0.2	UG/L	U	Z	2	0
		MERCURY	0.2	UG/L	U	V	2	0
		MOLYBDENUM	22.3	UG/L	B	Z	100	0
		MOLYBDENUM	15	UG/L	U	V	100	0
		NICKEL	12	UG/L	U	Z	200	0
		NICKEL	12	UG/L	U	JA	200	0
		POTASSIUM	3720	UG/L	B	Z		
		POTASSIUM	3690	UG/L	B	V		
		SELENIUM	45.2	UG/L		Z	10	1
		SELENIUM	48	UG/L		V	10	1
		SILICON	5700	UG/L		Z		
		SILICON	6010	UG/L		V		
		SILVER	4	UG/L	U	Z	50	0
		SILVER	4	UG/L	U	V	50	0
		SODIUM	81700	UG/L		Z		
		SODIUM	80400	UG/L		V		
		STRONTIUM	685	UG/L		Z		
		STRONTIUM	676	UG/L		V		
		THALLIUM	3	UG/L	U	Z	10	0
		THALLIUM	3	UG/L	U	V	10	0
		TIN	24	UG/L	U	Z		
		TIN	24	UG/L	U	JA		
		VANADIUM	20.5	UG/L	B	Z	100	0
		VANADIUM	20.4	UG/L	U	JA	100	0
		ZINC	70.8	UG/L		Z	2000	0
		ZINC	71.7	UG/L		V	2000	0

UV Influent Water Quality January 1995 - March 1995

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10356RG	17-Jan-95	BICARBONATE AS CACO ₃	263.141	MG/L	V			
		CARBONATE AS CACO ₃	10	MG/L	U	V		
		CHLORIDE	93.772	MG/L	V	250	0	
		FLUORIDE	0.944	MG/L	V			
		NITRATE/NITRITE	2.814	MG/L	V	10	0	
		SULFATE	114.359	MG/L	V	250	0	
		TOTAL DISSOLVED SOLIDS	640	MG/L	Z	400	1	
		TOTAL DISSOLVED SOLIDS	643	MG/L	V	400	1	
		TOTAL SUSPENDED SOLIDS	5	MG/L	U	Z		
		TOTAL SUSPENDED SOLIDS	5	MG/L	U	V		
		pH	8.04	PH		Z		
		pH	8.06	PH		V		
FT10368RG	14-Feb-95	BICARBONATE AS CACO ₃	259.19	MG/L	Z			
		BICARBONATE AS CACO ₃	255.41	MG/L	V			
		CARBONATE AS CACO ₃	10	MG/L	U	Z		
		CARBONATE AS CACO ₃	0.69	MG/L	B	V		
		CHLORIDE	106.47	MG/L	V	250	0	
		FLUORIDE	1.01	MG/L	V			
		NITRATE/NITRITE	3.69	MG/L	V	10	0	
		SULFATE	90.777	MG/L	V	250	0	
		TOTAL DISSOLVED SOLIDS	581	MG/L	Z	400	1	
		TOTAL DISSOLVED SOLIDS	583	MG/L	H	JA	400	1
		TOTAL SUSPENDED SOLIDS	5	MG/L	U	Z		
		TOTAL SUSPENDED SOLIDS	5	MG/L	U	V		
		pH	8.05	PH		Z		
pH	8.1	PH		V				
FT10373RG	8-Mar-95	BICARBONATE AS CACO ₃	207.322	MG/L	V			
		CARBONATE AS CACO ₃	10	MG/L	U	V		
		CHLORIDE	83.83	MG/L	V	250	0	
		FLUORIDE	0.926	MG/L	V			
		NITRATE/NITRITE	2.185	MG/L	V	10	0	
		SULFATE	73.31	MG/L	V	250	0	
		TOTAL DISSOLVED SOLIDS	498	MG/L	Z	400	1	
		TOTAL DISSOLVED SOLIDS	499	MG/L	V	400	1	
		TOTAL SUSPENDED SOLIDS	7	MG/L	Z			
		TOTAL SUSPENDED SOLIDS	9	MG/L	V			
		pH	7.76	PH		Z		
		pH	7.78	PH		JA		

891 IX1 Effluent Rads January - March 1995

Sample Number	Sample Date	Isotope	Result	Unit Meas	Error	Qual	Vqual	ARAR	# SAM > ARAR
FT10359RG	17-Jan-95	URANIUM-233,-234		0.16 PCI/L	0.17	U	V		
		URANIUM-235		0.033 PCI/L	0.066	U	V		
		URANIUM-238		0.055 PCI/L	0.055	U	V		
		TOTAL URANIUM	0.248		0.291			40	0
		Percent Removal U	98%						
FT10369RG	14-Feb-95	URANIUM-233,-234	0.08341891	PCI/L	0.13376		V		
		URANIUM-235	0.02566735	PCI/L	0.07754		V		
		URANIUM-238	0.33367556	PCI/L	0.241845		V		
		TOTAL URANIUM	0.44276182		0.453146			40	0
		Percent Removal U	96%						
FT10376RG	8-Mar-95	URANIUM-233,-234	0.56431674	PCI/L	0.201275		Y		
		URANIUM-235	0.17779839	PCI/L	0.106433		Y		
		URANIUM-238	0.22418058	PCI/L	0.135135		Y		
		TOTAL URANIUM	0.96629571		0.442842			40	0
		Percent Removal U	89%						

891 IX1 Influent Rads January - March 1995

Sample Number	Sample Date	Isotope	Result	Unit Meas	Error	Qual	Vqual	ARAR	# SAM > ARAR
FT10358RG	17-Jan-95	URANIUM-233,-234		6.1 PCI/L	0.52		V		
		URANIUM-235		0.26 PCI/L	0.097	J	V		
		URANIUM-238		4.4 PCI/L	0.41		V		
		TOTAL URANIUM	10.76		1.027			40	0
FT10368RG	14-Feb-95	URANIUM-233,-234	6.10534838	PCI/L	1.017964		V		
		URANIUM-235	0.33253525	PCI/L	0.236666		V		
		URANIUM-238	4.0170258	PCI/L	0.815874		V		
		TOTAL URANIUM	10.4549094		2.070504			40	0
FT10375RG	8-Mar-95	URANIUM-233,-234	4.6570711	PCI/L	0.556904		Y		
		URANIUM-235	0.26813435	PCI/L	0.121311		Y		
		URANIUM-238	3.53513971	PCI/L	0.473939		Y		
		TOTAL URANIUM	8.46034516		1.152154			40	0

891 IX3 Influent Metals January - March 1995

Sample Number	Sample Date	Element	Result	Unit Measure	Qualifier	Vqual	ARAR	# SAM > ARAR
FT10360RG	17-Jan-95	ALUMINUM	26	UG/L	U	V	5000	0
		ANTIMONY	10	UG/L	U	V	60	0
		ARSENIC	3.2	UG/L	B	V	50	0
		BARIUM	18.6	UG/L	B	V	1000	0
		BERYLLIUM	1	UG/L	U	V	100	0
		CADMUM	3	UG/L	U	JA	10	0
		CALCIUM	14100	UG/L		V		
		CESIUM	.22	UG/L	U	V		
		CHROMIUM	3.3	UG/L	U	JA	50	0
		COBALT	7	UG/L	U	V		
		COPPER	3	UG/L	U	V	200	0
		IRON	9.8	UG/L	U	JA	300	0
		LEAD	2	UG/L	U	V	50	0
		LITHIUM	17	UG/L	B	V	2500	0
		MAGNESIUM	6620	UG/L		V		
		MANGANESE	1	UG/L	U	V	50	0
		MERCURY	0.2	UG/L	U	V	2	0
		MOLYBDENUM	15	UG/L	U	V	100	0
		NICKEL	12	UG/L	U	V		
		POTASSIUM	3900	UG/L	B	V		
		SELENIUM	9.8	UG/L		V	10	0
		SILICON	5810	UG/L		V		
		SILVER	4	UG/L	U	V	50	0
		SODIUM	74800	UG/L		V		
		STRONTIUM	187	UG/L	B	V		
		THALLIUM	.4	UG/L	UW	JA	10	0
		TIN	.24	UG/L	U	V		
		VANADIUM	3	UG/L	U	V	100	0
		ZINC	2.6	UG/L	U	JA	2000	0
FT10370RG	14-Feb-95	ALUMINUM	26	UG/L	U	Y	5000	0
		ANTIMONY	45	UG/L	U	Y	60	0
		ARSENIC	5.4	UG/L	B	Y	50	0
		BARIUM	30.8	UG/L	B	Y	1000	0
		BERYLLIUM	1	UG/L	U	Y	100	0
		CADMUM	3	UG/L	U	Y	10	0
		CALCIUM	24500	UG/L		Y		
		CHROMIUM	4.6	UG/L	B	Y	50	0
		COBALT	7	UG/L	U	Y		
		COPPER	3	UG/L	U	Y	200	0
		IRON	21.8	UG/L	B	Y	300	0
		LEAD	2	UG/L	U	Y	50	0
		LITHIUM	15.7	UG/L	B	Y	2500	0
		MAGNESIUM	8130	UG/L		Y		
		MANGANESE	1	UG/L	U	Y	50	0
		MERCURY	0.2	UG/L	U	Y	2	0
		MOLYBDENUM	2	UG/L	U	Y	100	0
		NICKEL	12	UG/L	U	Y	200	0
		POTASSIUM	2210	UG/L	B	Y		
		SELENIUM	15.5	UG/L	N	Y	10	1
		SILICON	5650	UG/L	E	Y		
		SILVER	4	UG/L	U	Y	50	0
		SODIUM	69900	UG/L		Y		
		STRONTIUM	319	UG/L		Y		
		THALLIUM	.4	UG/L	U	Y	10	0
		TIN	.2	UG/L	U	Y		
		VANADIUM	3	UG/L	U	Y	100	0
		ZINC	25.8	UG/L		Y	2000	0
FT10377RG	8-Mar-95	ALUMINUM	26	UG/L	U	V	5000	0
		ANTIMONY	2	UG/L	U	R	60	0
		ARSENIC	4.6	UG/L	B	V	50	0
		BARIUM	28.6	UG/L	B	V	1000	0
		BERYLLIUM	1	UG/L	U	V	100	0
		CADMUM	3	UG/L	U	V	10	0
		CALCIUM	26600	UG/L	E	JA		

891 IX3 Influent Metals January - March 1995

Sample Number FT10377RG	Sample Date 8-Mar-95	Element	Result	Unit Measure	Qualifier	Vqual	ARAR	# SAM > ARAR
		CESIUM	22	UG/L	U	JA		
		CHROMIUM	3	UG/L	U	V	50	0
		COBALT	7	UG/L	U	V		
		COPPER	3	UG/L	U	V	200	0
		IRON	6	UG/L	U	V	300	0
		LEAD	2	UG/L	U	JA	50	0
		LITHIUM	21.5	UG/L	B	V	2500	0
		MAGNESIUM	9130	UG/L		V		
		MANGANESE	1	UG/L	U	V	50	0
		MERCURY	0.2	UG/L	U	V	2	0
		MOLYBDENUM	15	UG/L	U	V	100	0
		NICKEL	12	UG/L	U	V	200	0
		POTASSIUM	1710	UG/L	B	V		
		SELENIUM	19.8	UG/L		V	10	1
		SILICON	5510	UG/L		V		
		SILVER	4	UG/L	U	V	50	0
		SODIUM	76400	UG/L		V		
		STRONTIUM	251	UG/L		V		
		THALLIUM	3	UG/L	U	V	10	0
		TIN	24	UG/L	U	JA		
		VANADIUM	3	UG/L	U	V	100	0
		ZINC	2	UG/L	U	V	2000	0

891 IX3 Effluent Metals January - March 1995

Sample Number	Sample Date	Element	Result	Unit Measure	Qualifier	Vqual	ARAR	# SAM > ARAR
FT10361RG	17-Jan-95	ALUMINUM	26	UG/L	U	V	5000	0
		ANTIMONY	10	UG/L	UW	V	60	0
		ARSENIC	2.5	UG/L	B	V	50	0
		BARIUM	12	UG/L	U	V	1000	0
		BERYLLIUM	1	UG/L	U	V	100	0
		CADMIUM	3	UG/L	U	JA	10	0
		CALCIUM	22.3	UG/L	U	JA		
		CESIUM	22	UG/L	U	V		
		CHROMIUM	3	UG/L	U	V	50	0
		COBALT	7	UG/L	U	V		
		COPPER	3	UG/L	U	V	200	0
		IRON	8	UG/L	U	JA	300	0
		LEAD	2	UG/L	UW	V	50	0
		LITHIUM	14	UG/L	U	V	2500	0
		MAGNESIUM	37	UG/L	U	V		
		MANGANESE	1	UG/L	U	V	50	0
		MERCURY	0.2	UG/L	U	V	2	0
		MOLYBDENUM	15	UG/L	U	V	100	0
		NICKEL	12	UG/L	U	V	200	0
		POTASSIUM	680	UG/L	U	V		
		SELENIUM	9.3	UG/L		V	10	0
		SILICON	5690	UG/L		V		
		SILVER	4	UG/L	U	V	50	0
		SODIUM	5110	UG/L		V		
		STRONTIUM	1	UG/L	U	V		
		THALLIUM	4	UG/L	U	V	10	0
		TIN	24	UG/L	U	V		
		VANADIUM	3	UG/L	U	V	100	0
		ZINC	2	UG/L	U	V	2000	0
FT10371RG	14-Feb-95	ALUMINUM	26	UG/L	U	Y	5000	0
		ANTIMONY	45	UG/L	U	Y	60	0
		ARSENIC	6.9	UG/L	B	Y	50	0
		BARIUM	12	UG/L	U	Y	1000	0
		BERYLLIUM	1	UG/L	U	YY	100	0
		CADMIUM	3	UG/L	U	Y	10	0
		CALCIUM	20	UG/L	U	Y		
		CHROMIUM	3	UG/L	U	Y	50	0
		COBALT	7	UG/L	U	Y		
		COPPER	3	UG/L	U	Y	200	0
		IRON	6	UG/L	U	Y	300	0
		LEAD	2	UG/L	U	Y	50	0
		LITHIUM	14	UG/L	U	Y	2500	0
		MAGNESIUM	37	UG/L	U	Y		
		MANGANESE	1	UG/L	U	Y	50	0
		MERCURY	0.2	UG/L	U	Y	2	0
		MOLYBDENUM	2	UG/L	U	Y	100	0
		NICKEL	12	UG/L	U	Y	200	0
		POTASSIUM	680	UG/L	U	Y		
		SELENIUM	18.4	UG/L	SN	Y	10	1
		SILICON	5560	UG/L	E	Y		
		SILVER	4	UG/L	U	Y	50	0
		SODIUM	3350	UG/L	B	Y		
		STRONTIUM	1	UG/L	U	Y		
		THALLIUM	4	UG/L	U	Y	10	0
		TIN	2	UG/L	U	Y		
		VANADIUM	3	UG/L	U	Y	100	0
		ZINC	2	UG/L	U	Y	2000	0
FT10378RG	8-Mar-95	ALUMINUM	26	UG/L	U	V	5000	0
		ANTIMONY	2	UG/L	U	R	60	0
		ARSENIC	5.3	UG/L	B	V	50	0
		BARIUM	12	UG/L	U	V	1000	0
		BERYLLIUM	1	UG/L	U	V	100	0
		CADMIUM	3	UG/L	U	V	10	0

891 IX3 Effluent Metals January - March 1995

Sample Number	Sample Date	Element	Result	Unit Measure	Qualifier	Vqual	ARAR	# SAM > ARAR
FT10378RG	8-Mar-95	CALCIUM	20	UG/L	UE	V		
		CESIUM	22	UG/L	U	V		
		CHROMIUM	3	UG/L	U	V	50	0
		COBALT	7	UG/L	U	V		
		COPPER	3	UG/L	U	V	200	0
		IRON	6	UG/L	U	JA	300	0
		LEAD	2	UG/L	U	JA	50	0
		LITHIUM	14	UG/L	U	V	2500	0
		MAGNESIUM	37	UG/L	U	V		
		MANGANESE	1	UG/L	U	V	50	0
		MERCURY	0.2	UG/L	U	V	2	0
		MOLYBDENUM	15	UG/L	U	V	100	0
		NICKEL	12	UG/L	U	V	200	0
		POTASSIUM	680	UG/L	U	V		
		SELENIUM	16.3	UG/L		V	10	1
		SILICON	5610	UG/L		V		
		SILVER	4	UG/L	U	V	50	0
		SODIUM	2550	UG/L	B	V		
		STRONTIUM	1	UG/L	U	V		
		THALLIUM	3	UG/L	U	V	10	0
		TIN	24	UG/L	U	JA		
		VANADIUM	3	UG/L	U	V	100	0
		ZINC	2	UG/L	U	V	2000	0

891 IX4 Influent Water Quality January - March 1995

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10361RG	17-Jan-95	BICARBONATE AS CACO3	10	MG/L	U	Z		
		CARBONATE AS CACO3	10	MG/L	U	Z		
		CHLORIDE	98.158	MG/L	V	250	0	
		FLUORIDE	0.843	MG/L	V			
		NITRATE/NITRITE	5.29	MG/L	V	10	0	
		SULFATE	50.556	MG/L	V	250	0	
		TOTAL DISSOLVED SOLIDS	75	MG/L	V	400	0	
		TOTAL SUSPENDED SOLIDS	5	MG/L	U	V		
		pH	2.61	PH	V			
FT10371RG	14-Feb-95	BICARBONATE AS CACO3	0.3	MG/L	U	Z		
		CARBONATE AS CACO3	0.3	MG/L	U	Z		
		CHLORIDE	97.398	MG/L	V	250	0	
		FLUORIDE	0.852	MG/L	V			
		NITRATE/NITRITE	5.028	MG/L	V	10	0	
		SULFATE	94.481	MG/L	V	250	0	
		TOTAL DISSOLVED SOLIDS	75	MG/L	H	400	0	
		TOTAL SUSPENDED SOLIDS	5	MG/L	U	V		
		pH	2.53	PH	V			
FT10378RG	8-Mar-95	BICARBONATE AS CACO3	10	MG/L	U	Z		
		CARBONATE AS CACO3	10	MG/L	U	Z		
		CHLORIDE	93.282	MG/L	V	250	0	
		FLUORIDE	1.057	MG/L	V			
		NITRATE/NITRITE	3.299	MG/L	V	10	0	
		SULFATE	82.527	MG/L	V	250	0	
		TOTAL DISSOLVED SOLIDS	75	MG/L	V	400	0	
		TOTAL SUSPENDED SOLIDS	5	MG/L	U	V		
		pH	2.5	PH	JA			

891 IX4 Effluent Water Quality January - March 1995

Sample Number	Sample Date	Compound	Result	Unit Meas	Qual	Vqual	ARAR	# SAM > ARAR
FT10362RG	17-Jan-95	BICARBONATE AS CACO3	15.421	MG/L		V		
		CARBONATE AS CACO3	10	MG/L	U	V		
		CHLORIDE	7.271	MG/L	V	250	0	
		FLUORIDE	0.35	MG/L	V			
		NITRATE/NITRITE	0.401	MG/L	V	10	0	
		SULFATE	0.046753	MG/L	B	V	250	0
		TOTAL DISSOLVED SOLIDS	39	MG/L	V	400	0	
		TOTAL SUSPENDED SOLIDS	5	MG/L	U	V		
		pH	8.77	PH	V			
FT10372RG	14-Feb-95	BICARBONATE AS CACO3	19.37	MG/L		JA		
		CARBONATE AS CACO3	0.3	MG/L	U	V		
		CHLORIDE	0.201168	MG/L	B	V	250	0
		FLUORIDE	0.048	MG/L	B	JA		
		NITRATE/NITRITE	0.01	MG/L	B	JA	10	0
		SULFATE	0.03	MG/L	U	V	250	0
		TOTAL DISSOLVED SOLIDS	26	MG/L	H	JA	400	0
		TOTAL SUSPENDED SOLIDS	5	MG/L	U	V		
		pH	10.36	PH	V			
FT10379RG	8-Mar-95	BICARBONATE AS CACO3	7.363	MG/L	B	V		
		CARBONATE AS CACO3	10	MG/L	U	V		
		CHLORIDE	0.477	MG/L	B	V	250	0
		FLUORIDE	0.301	MG/L	V			
		NITRATE/NITRITE	0.042	MG/L	U	JA	10	0
		SULFATE	0.03	MG/L	U	V	250	0
		TOTAL DISSOLVED SOLIDS	38	MG/L	V	400	0	
		TOTAL SUSPENDED SOLIDS	5	MG/L	U	V		
		pH	8.59	PH	JA			

Appendix D
Data Qualifiers and Descriptions

Selected Laboratory Data Qualifiers and Descriptions

<u>Qualifier</u>	<u>Description</u>
B	< method detection limit but \geq instrument detection limit (INORGANIC)
B	Analyte found in blank and sample (ORGANIC)
D	Compound identified using secondary dilution factor (ORGANIC)
E	Concentration exceeds calibration range of instrument (ORGANIC)
E	Estimated due to interference (INORGANIC)
J	Estimated value, < sample's detection limit
N	Spiked recovery not within control limits (INORGANIC)
S	Determined by MSA (INORGANIC)
U	Undetected, analyzed for but not detected

Selected Data Validation Qualifiers and Descriptions

<u>Qualifier</u>	<u>Description</u>
A	Data is acceptable, with qualifications
JA	Estimated, acceptable
R	Data is rejected
V	Data is valid
Y	Analytical results in validation process
Z	Validation was not requested or performed

Figure 9-1
Rocky Flats OU1 April – June 1995 Water Level Map

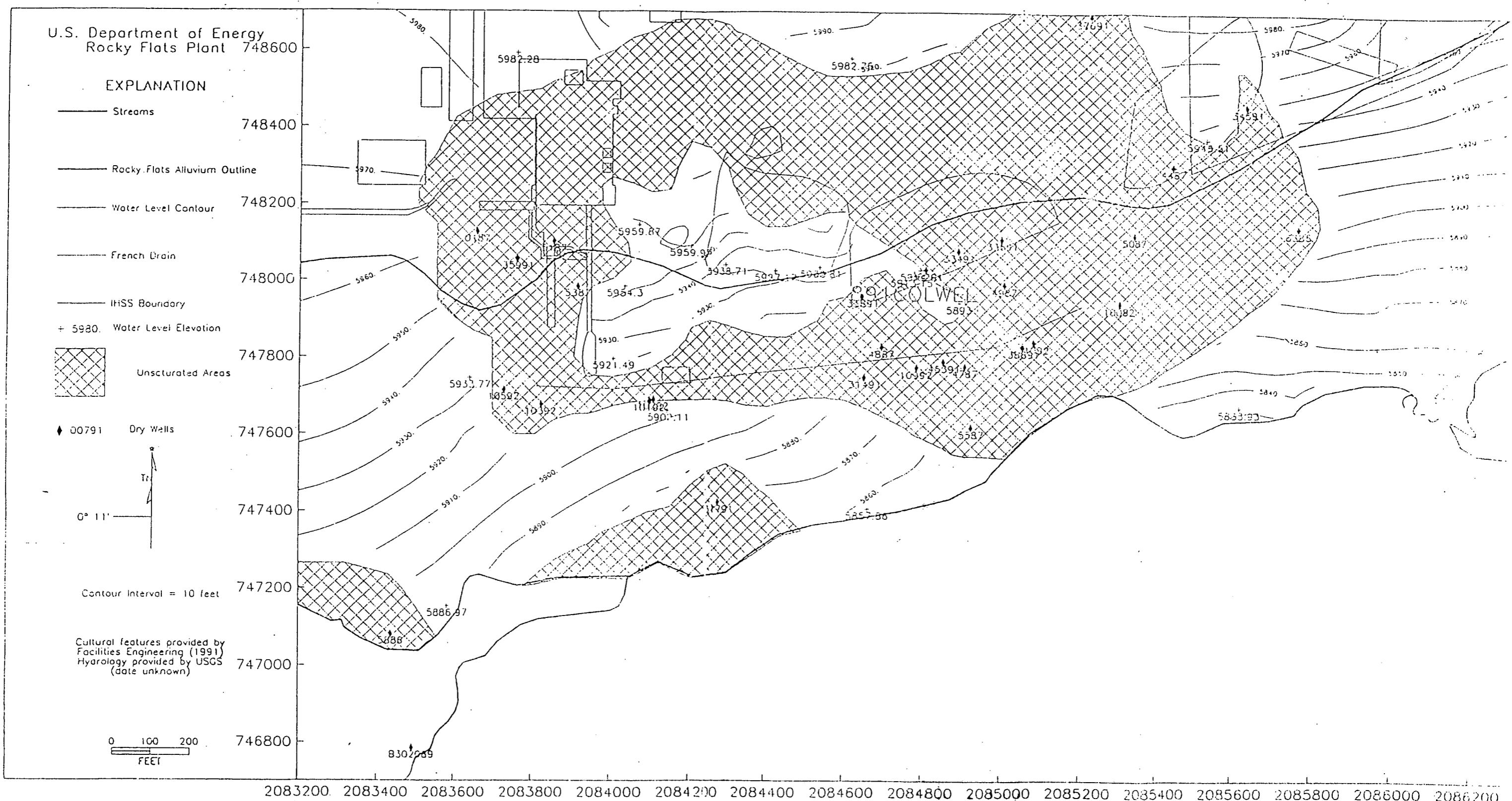
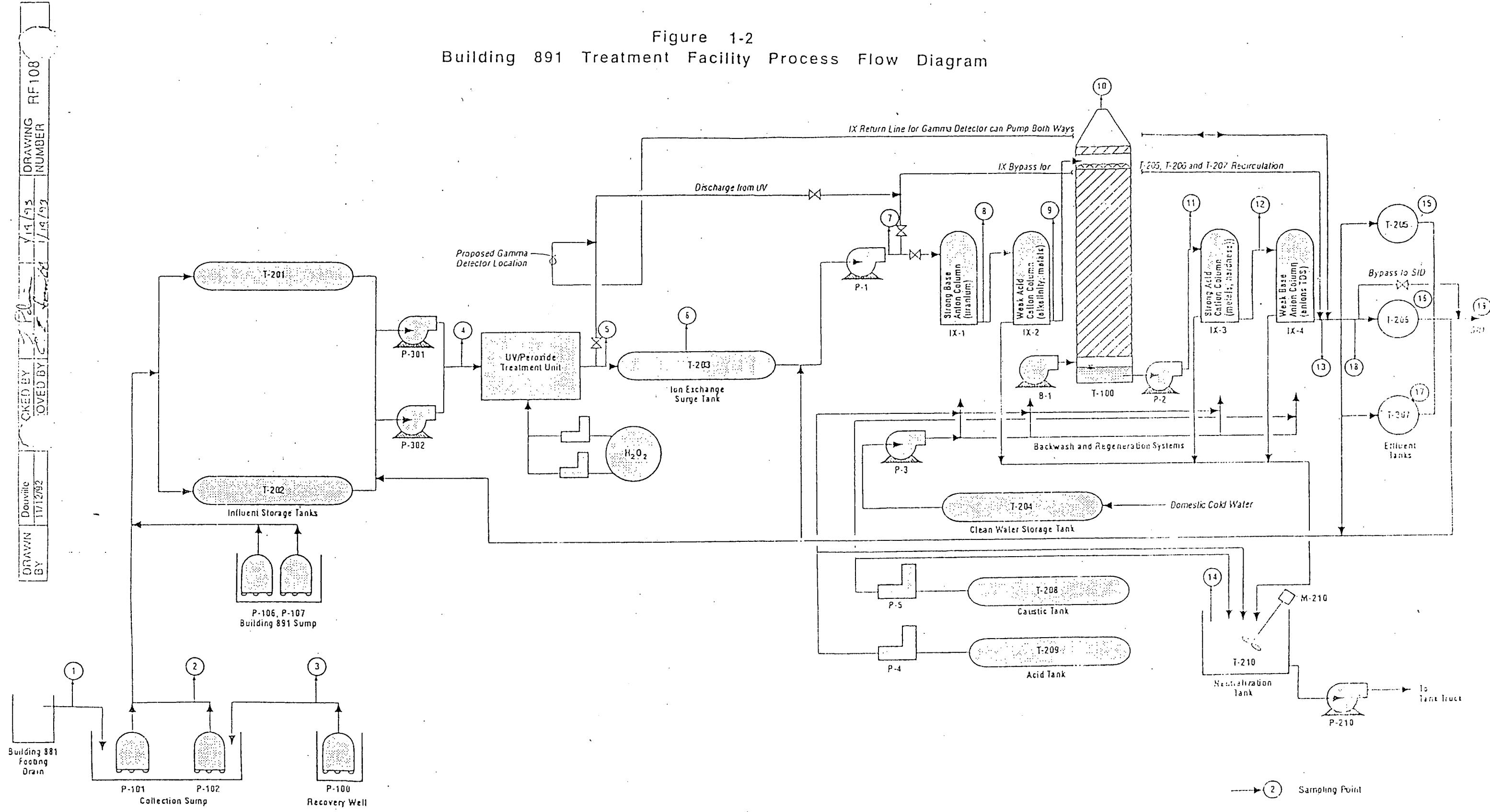


Figure 9-1

Figure 1-2
Building 891 Treatment Facility Process Flow Diagram



Process Flow Diagram
Figure 1-2